

STIC Search Report Biotech-Chem Library

STIC Dalabase Tracking Number

TO: Ruixiang Li

Art Unit: 1646

Location: REM-4D75/4C70 Serial Number: 10/060765

Tuesday, January 17, 2006

From: Beverly Shears

Location: Biotech-Chem Library

REM 1A54

Phone: 571-272-2528

beverly.shears@uspto.gov

Searon Noies

Protein Sequence Searches - February 2005

All of the sequence databases on ABSS have recently been updated.

- Please note that the curators of the UniProt database have purged some temporary accession numbers from the most recent version of UniProt. These sequences have been assigned new permanent accession numbers. The new UniProt record may not contain the previous temporary accession number.
- If you encounter an accession number from an older search run against UniProt (results file extension .rup) that can no longer be found in the database, the permanent record with the new accession number can be found by searching the old accession number in the UniProt Protein Archive database (uniPARC) at:

http://www.pir.uniprot.org/database/archive.shtml

If you have any questions regarding this information or your results, please contact any STIC searcher.

Published Applications Database - November 2005

Published_Applications Nucleic Acid and Published_Applications Amino Acid database searches now generate two sets of results each. The Published_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published_Applications_New databases; older published applications make up the Published Applications Main databases.

Searches run against Nucleic Acid Published_Applications produce two sets of results, with the extensions .rnpbm (Published_Applications_NA_New).

Searches run against Amino Acid Published_Applications produce two sets of results, with the extensions .rapbm (Published_Applications_AA_Main) and .rapbn (Published_Applications_AA_New).



CM-1

Pre-S

A.A. Sequence

Bibliographic

Structure

Type of Search

IG.

STN

Dialog

APS Geninto

SDC

DARC Questel

Other OGA

Sequence seq

Sequence Sequence Sequence Sequence

Sequence Sequence Sequence Sequence Sequence Sequence Sequence

Sequence Seq

Title: Perfect score:

Sequence:

•

OM protein

. :

Run

Scoring table:

Word size :

Database

Result Š.

Searched:

```
US-10-219-479-78
US-10-219-479-78
US-10-219-479-78
US-10-219-481-78
US-10-219-481-78
US-10-219-481-78
US-10-219-481-78
US-10-219-481-78
US-10-219-471-78
US-10-
    000000000000000
    Applications of the control of the c
                                                                                                                             January 13, 2006, 17:33:10 ; Search time 61 Seconds (without alignments) 1431.579 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .....SSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Published Applications AA Main: * /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:* : /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:* : /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:* : /cgn2_6/ptodata/1/pubpaa/US108_PUBCOMB.pep: * /cgn2_6/ptodata/1/pubpaa/US108_PUBCOMB.pep: * /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:* : /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                   1867569
                    version 5.1.6
- 2006 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-822-485-24
US-09-802-485-24
US-09-801-968-15
US-10-60-765-4
US-10-60-765-4
US-10-10-818-140-4
US-10-771-173-4
US-10-771-173-4
US-10-771-173-4
US-10-659-004-68
US-10-659-004-66
US-10-659-004-66
US-10-559-004-66
US-10-259-004-78
US-10-259-004-78
US-10-230-24-78
US-10-230-24-78
US-10-230-24-78
US-10-231-8-43-78
US-10-231-8-43-78
US-10-231-8-43-78
US-10-231-8-43-78
US-10-231-9-003-78
US-10-231-9-003-78
US-10-231-9-003-78
US-10-231-9-003-78
                                                                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                    1867569 segs, 417829326 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SUMMARIES
                                                                                             sw model
                                                                                                                                                                                                                                                                                       OLIGO
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                                                                            209
1 MDSDETGFEHSGLWVSVLAG.
                  GenCore (c) 1993
                                                                                         using (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing: Listing first 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                          US-10-060-765-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query
Match Length
                                                                                             protein search,
                                    Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0
100.0
100.0
100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
```

| B |
|--------|
| Ä |
| g D |
| Ø |
| 7 |
| 0 |
| Ď |
| |
| ユ |
| ٠ |
| 4 |
| ì |
| Ŋ |
| 9 |
| |
| ė |
| 9 |
| Ō |
| 1 |
| 0 |
| ᅻ |
| |
| цв |
| • |
| |
| |
| |
| |
| |
| |

| | | | | | 2.0. | ∢ , | ďφ | . 1 | A 1 | D, | | | 6 | £ , | A d | . 4 | | _ | | - ^ | 4 | | Æ | 4 4 | ξ Δι | App | Ap | Æ | 4 • | < 4 · | 4 | | < ∢ | Ø. | 4 4 |
|--|--|--|--|--|--|---|---|--|--|--|--|--|---|--|--|--|---|--|--|--|--|---|--|--|--|--|--|---|--|---|---|--|--|--|--|
| ,010,0 4 | , a | ; ' ' ' | | 6 | A D | | ্ৰ | 4,6 | ` . ` | • | 9 | <u>.</u> ـ ـ ـ ـ | | - 10 | ୍≪ | | ` ^ ` ^ | `~` | App] | A P | ~ ~ | ດັດ | | · . | . 🖰 | . 5 | ~ ` ~ | | - | | pp. | · 🚠 | | | |
| 3515 2710 5524 4805 | 2002 2004 2008 2008 | 6883 8591 | 9527 | 9568 | 72, | 8725 | 8793 130, | 3267 | 8298 | 6546 | 6285 4618 | 7055 | 0327 | 7832 | 8510 163, | 933 | 24.5 | 261 | 7, 6 | 329 | 2805 | 8776 2948 | 2464 | 1123 | 41, | 1788 | 1865 544, | 4073, | . ^ . | 20 | 359 | 116 | 9250, 9250, | 217 | ~~ |
| 4 6 0 0 0 0 | 0000 | 9 6 6 | 900 | י שי נ | | υ υ 4. ⊶ . | 00 00 44 44 | 0 0 | ነጠ። ነጠነ | n n | 00 | 9 0 | 101 | # (V) (| m 00 1 | 1 M H | . m - | 4 ~ 4 | 1 M M | 9 11 | 4.0 | - 2 | 4 - | ייטיי |) H | 9 7 | <u>ო</u> თ | | 100 | 9 7 | 7 1 | l m r | 4 4 6 | 4 | 9 0 0 0 |
| Sequent Sequent Sequent Sequent | | quen | duen | : :: : | | quen | quen | quenc | quen | quenci | quenci | E 5 | quence | dnenc | quen | equence | quen | quen | quen | quen | quen | quen | quen | quen | dnen | quen | quen | quen | dnen | quen | quen | quen | dren dren | dnen | quen |
| 200000 | S S S S | y cy cy n en en | S S S | o co | o co | χς. O O | S S | S S | S CO C | S S | s s | O C | SOC | n o | S S | | S C | Soci | S S S | S S | s s | Se S | S S S | SSS | S | S S | Ω Ω Ø Ø | Ω, Ω, | Sec | S S | S S | S CO C | n on o | S S | Ö Ö |
| | | | • | | | | | | | | | | | | | | ٠ | | | | | | | | | | | | | | | | | | |
| 25-114-43515 25-115-327100 24-599-255241 37-963-148052 | 9488 482 482 | 8837 5917 | 5275 | 5683 | 5 7 9 | 4975 7251 | 130 | 2671 | 298 | 63 5463 | 2859 | 0553 | 3278 | 8325 | 510 63 | 233 339 6641 | 4570 | 6123 | 353 | 294 88 | 805 1842 | 7769 9489 | 464 | 1123 | 1 1 | 788 | 8658 44 | 073 | 326 | 745 218 | 3597 | 1169 | 250 | 217 | 225 |
| 4-43 5-32 9-25 3-14 | 5-22 | 9-26 | 5-19 | 5-19 | 5-87 | 2A-4 3-18 | 1-48 0A-4 | 9-23 | 1-38 | 9-18 5-26 | 5-26 | 3-17 | 3-10 | 9-27 | 1-81 | 1-39 3-13 | 5-32 | 3-12 | 1-36 3-37 | 4-63 9-18 | 1-42 5-22 | 5-18 | 1-42 | 2A-5 | 8-14 | 4-61 0A-1 | 5-31 1-95 | 1-14 | 6-32 | 4-68 3-19 | 1 - 76 | 5-32 | 3-19 | 3-19 | 3-19 |
| 11-55-11 5-11-59-7-7-96 | 5-11 | 5-4-59 5-11 | 5-11- | 5-11 | 6-11 | 7-96 | 7-70 8-26 | 4-59 | 7-70 | 4-74 5-11 | 5-11 | 7-96 | 7-96 | 4-59 | 5-11 | 7-70 | 5-11 | 7-96 | 3-57 | 5-11 | 4-76 5-11 | 5-11 | 7-70 | 2-12 | 4-01 | 5-11 4-96 | 5-11 6-76 | 6-76 | 9-38 | 5-11 2-92 | 4-92 | 5-11 | 2-92 | 2-92 | 2-92 |
| 44444 | 4-0 | 4 4 4 | 0-4-0 | 4-0 | 0-2 | 241 | 0-76 | 0-42 | , , | 0-09 | 0-42 | 4-4 | 44 | 11. | 4-1- | 0-76 | 4-4 | 1 4 6 | 144 | 40 | 9-8 | 0-42 | 7- | 77 | 8-6 | 4 4 | 0-42 | 0-1 | 0-0 | 0-4 | 0-20 | 0-42 | 0-73 | | 0-73 |
| US-1 | US-0 | US-1 | US-SI | de la | US-1 | us-1 | US-1 | US-1 | SS S | us-1 | US-1 | US-1 | US-1 | 25. | US-1 US-1 | US-1 | US-1 | US-1 | US-1 | US-1 | US-0 US-1 | us-1 | US-1 | US-1 | 0-SU | US-1 US-1 | us-1 us-1 | US-1 | US-1 | us-1 us-1 | US-1 | US-1 | US-1 | us-1 | US-1 |
| य य य य य | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 70 78 83 | 9 6 6 | y 00 0 | 103 | 777 | 118 | 113 | 125 | 128 | 137 | 139 | 145 | 150 | 155 | 159 | 171 | 187 | 189 | 195 | 218 | 227 | 231 | 253 | 267 | 27.2 | 276 | 276 | 280 | 281 | 285 | 290 290 4 | 295 | 296 | 2000 | 300 | 300 |
| | | | | • • | | | | | | | | | | | | | | • • | | | | | | | | | | | | | | | | | |
| | | | | | , | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | - - | | | | ~ | Ļ | | | ~ ~ | | - [- | | | | | | | ~ ~ | ~ ~ | | | - 1- | | ~ ~ | | - [- | | ~ ~ | | - - | - 1 | |
| rrrr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 000 | 7 W 4 | r LO V | o 1- c | ם מ | 0 | N M | ישי ונ | . w r | ~ 60 | σ.ο | | v m • | י וחי | 9 1- | n on c | | v m s | י וח גם | n ~ m | 00 | | 1 ~ < | י וחי | 0 0 | ന ന | 0 4 | ~ ~ | n er 1 | io io | ~ a | | o c | v m | T |
| | 181 | 183 183 | 1 1 1 1 | 187 | 183 | 190 | 192 193 | 194 | 196 | 197 | 199 | 201 | 203 | 205 | 206 | 209 | 211 | 213 | 215 | 217 | 219 | 221 | 223 | 225 | 227 | 228 229 | 230 | 232 | 234 | 235 236 | 237 | 239 | 241 | 242 | 244 |
| 175 176 177 178 7 | 180 181 183 | 183 183 | 182 | 187 | 188 | 190 | 192 193 | 194 | 196 | 197 | 199 | 201 | 203 | 202 | 206 | 209 | 211 | 213 | 215 | 217 | 219 | 221 | 223 | 225 | 227 | 228 229 | 230 | 232 | 234 | 235 236 | 237 | 233 | 241 | 243 | 244 245 |
| , | 180 181 69 | 183 | 7 S S S S S S S S S S S S S S S S S S S | 187 | 180 | 190 | 192 | 1994 | 196 | 197 | 199 | 201 | 203 | 205 | 206 | 209 | 211 | 213 | 215 | 217 | 219 | 222 | 223 | 722 | 227 | 228 | 230 | 232 | . 234 | 235 | 237 | 73.0 | 241 | 243 | 244 |
| | 180 | 183 | r 5 9 a | 180 | 188 | 190 | 192 | 199 | 196 | 197 | 199 | 201 | 203 | 205 | 206 | 208 | 211 | 213 | 215 | 217 | 219 | 221 | 223 | 225 | 227 | 228 | 230 | 232 | 234 | 235 | 237 | 2330 | 241 | 243 | 244 |
| | 180 | 182 | 185 | 187 | 180 | 191 | 192 | 194 | 196 | 197 | 199 | 201 | 203 | 205 | 206 | 200 | 211 | 213 | 215 | 217 | 219 | 221 | 223 | 225 | 227 | | | | | | | | | | |
| 175 176 177 178 | | | | | | • | | | | | | | | , | | | ····· | | - | | op1 | s, | ., , | | ¥ ,2 | a a | A P | | | | | | | | |
| Appl 175 Appl 176 Appl 177 Appl 177 Appl 178 | Appl . Appl . | Appli Appli Appli | Appli | Appl | Appl | Appl Appli | Appli , Appl | Appli | 4, Appl | Appi Appl | | Appl | Appl | Appl | Appl | | ····· | | Appli | Appli 2, Appl | 3, Appl 7, Appl | 54572, 196. Ap | 02531, 02531, | 84377, | 1394, A 51832, | 1713, A 8554, A | 8292, A 80, App | 0, Appl | Appl Appl | 3, Appl 94, App | 5, App | 15, App | 15, ADD 80, ADD | 7110, | 360, A |
| 78, Appl 175 78, Appl 176 78, Appl 177 78, Appl 177 | 78, Appl | . 78, Appl : 2, Appli : 78. Appl | 3, Appli | 78, Appl | 78, Appl | 78, Appl 2, Appli | : 1, Appli : 64, Appl | 2, Appli | 74, Appl | : 62, Appl : 72, Appl | . 52, Appl . 56, Appl | 58, Appl | 36, Appl | 36, Appl | 33, Appl 76, Appl | 2, Appli 7, Appli 2. Appli | 2, Appli | 7, Appli | 8, Appli | se 8, Appli | e 53, Appl e 57, Appl | e 254572, e 7196. Ap | 6 125, .r. | 6 30207, A 6 148377, | e 11594, A e 351832, | ce 51713, A ce 58554, A | ce 58292, A ce 280, App | 5 10, Appl | e 42, Appl | e 43, Appl e 394, App | e 415, App | ce 415, App | ce 415, App ce 280, App | ce 185858, ce 217110, | ce 42360, A |
| 78, Appl 175 78, Appl 176 78, Appl 177 78, Appl 178 | 78, Appl | . 78, Appl : 2, Appli : 78. Appl | 3, Appli | 78, Appl | 78, Appl | 78, Appl 2, Appli | : 1, Appli : 64, Appl | 2, Appli | 74, Appl | : 62, Appl : 72, Appl | . 52, Appl . 56, Appl | 58, Appl | 36, Appl | 36, Appl | 33, Appl 76, Appl | 2, Appli 7, Appli 2. Appli | 2, Appli | 7, Appli | 8, Appli | se 8, Appli | quence 53, Appl quence 57, Appl | quence 254572, quence 7196. Ap | quence 302531, | 6 30207, A 6 148377, | e 11594, A e 351832, | quence 51713, A quence 58554, A | quence 58292, A quence 280, App | duence 10, Appl | quence 11, Appl quence 42, Appl | quence 43, Appl quence 394, App | quence 415, App | duence 115, App | quence 415, App | ence 180666, ence 217110, | quence 42360, A |
| 78, Appl 175 78, Appl 176 78, Appl 177 78, Appl 178 | 78, Appl | . 78, Appl : 2, Appli : 78. Appl | 3, Appli | 78, Appl | 78, Appl | 78, Appl 2, Appli | : 1, Appli : 64, Appl | 2, Appli | 74, Appl | : 62, Appl : 72, Appl | . 52, Appl . 56, Appl | 58, Appl | 36, Appl | 36, Appl | 33, Appl 76, Appl | 2, Appli 7, Appli 2. Appli | 2, Appli | 7, Appli | 8, Appli | equence 8, Appli equence 52, Appl | equence 53, Appl | Sequence 254572, Sequence 7196. Ap | equence 302531, | 6 30207, A 6 148377, | equence 11594, A equence 351832, | Sequence 51713, A Sequence 58554, A | equence 58292, A equence 280, App | equence 10, Appl | equence 11, Applequence 42, Appl | quence 43, Appl quence 394, App | equence 415, App | equence 415, App | equence 415, App equence 280, App | ence 186666, ence 217110, | equence 42360, A |
| Sequence 78, Appl 175 Sequence 78, Appl 176 Sequence 78, Appl 177 Sequence 78, Appl 178 Sequence 78, Appl 178 | Sequence 78, Appl Sequence 78, Appl | Sequence 7s, Appl Sequence 2, Appli Sequence 78. Appl | Sequence 78, Appli | Sequence 78, Appl | Sequence 78, Appl | Sequence 78, Appl Sequence 2, Appli | Sequence 1, Appli Sequence 64, Appl | Sequence 2, Appli | Sequence 74, Appl | Sequence 62, Appl Sequence 72, Appl | Sequence 52, Appl | Sequence 58, Appl | Sequence 36, Appl | Sequence 35, Appl | Sequence 33, Appl Sequence 76, Appl | Sequence 2, Appli Sequence 7, Appli Semience 2, Appli | Sequence 2, Appli | Sequence 7, Appli | Sequence 7, Appli Sequence 8, Appli Sequence 8, Appli | Sequence 8, Appli Sequence 52, Appl | Sequence 53, Appl Sequence 57, Appl | Sequence 254572, Sequence 7196. Ap | Sequence 302531, | Sequence 194377, | Sequence 11594, A Sequence 351832, | . Sequence 51713, A Sequence 58554, A | Sequence 58292, A Sequence 280, App | Sequence 10, Appl | Sequence 11, Appl Sequence 42, Appl | Sequence 43, Appl Sequence 394, App | Sequence 415, App | Sequence 415, App | Sequence 415, App Sequence 280, App | Sequence 180800, Sequence 217110, | Sequence 42360, A |
| Sequence 78, Appl 175 Sequence 78, Appl 176 Sequence 78, Appl 177 Sequence 78, Appl 178 Sequence 78, Appl 178 | Sequence 78, Appl Sequence 78, Appl | Sequence 7s, Appl Sequence 2, Appli Sequence 78. Appl | Sequence 78, Appli | Sequence 78, Appl | Sequence 78, Appl | Sequence 78, Appl Sequence 2, Appli | Sequence 1, Appli Sequence 64, Appl | Sequence 2, Appli | Sequence 74, Appl | Sequence 62, Appl Sequence 72, Appl | Sequence 52, Appl | Sequence 58, Appl | Sequence 36, Appl | Sequence 35, Appl | Sequence 33, Appl Sequence 76, Appl | Sequence 2, Appli Sequence 7, Appli Semience 2, Appli | Sequence 2, Appli | Sequence 7, Appli | Sequence 7, Appli Sequence 8, Appli Sequence 8, Appli | Sequence 8, Appli Sequence 52, Appl | Sequence 53, Appl Sequence 57, Appl | Sequence 254572, Sequence 7196. Ap | Sequence 302531, | Sequence 194377, | Sequence 11594, A Sequence 351832, | . Sequence 51713, A Sequence 58554, A | Sequence 58292, A Sequence 280, App | Sequence 10, Appl | Sequence 11, Appl Sequence 42, Appl | Sequence 43, Appl Sequence 394, App | Sequence 415, App | Sequence 415, App | Sequence 415, App Sequence 280, App | Sequence 180800, Sequence 217110, | Sequence 42360, A |
| Sequence 78, Appl 175 Sequence 78, Appl 176 Sequence 78, Appl 177 Sequence 78, Appl 178 Sequence 78, Appl 178 | Sequence 78, Appl Sequence 78, Appl | Sequence 7s, Appl Sequence 2, Appli Sequence 78. Appl | Sequence 78, Appli | Sequence 78, Appl | Sequence 78, Appl | Sequence 78, Appl Sequence 2, Appli | Sequence 1, Appli Sequence 64, Appl | Sequence 2, Appli | Sequence 74, Appl | Sequence 62, Appl Sequence 72, Appl | Sequence 52, Appl | Sequence 58, Appl | Sequence 36, Appl | Sequence 35, Appl | Sequence 33, Appl Sequence 76, Appl | Sequence 2, Appli Sequence 7, Appli Semience 2, Appli | Sequence 2, Appli | Sequence 7, Appli | Sequence 7, Appli Sequence 8, Appli Sequence 8, Appli | Sequence 8, Appli Sequence 52, Appl | Sequence 53, Appl Sequence 57, Appl | Sequence 254572, Sequence 7196. Ap | Sequence 302531, | Sequence 194377, | Sequence 11594, A Sequence 351832, | . Sequence 51713, A Sequence 58554, A | Sequence 58292, A Sequence 280, App | Sequence 10, Appl | Sequence 11, Appl Sequence 42, Appl | Sequence 43, Appl Sequence 394, App | Sequence 415, App | Sequence 415, App | Sequence 415, App Sequence 280, App | Sequence 180800, Sequence 217110, | Sequence 42360, A |
| Sequence 78, Appl 175 Sequence 78, Appl 176 Sequence 78, Appl 177 Sequence 78, Appl 178 Sequence 78, Appl 178 | Sequence 78, Appl Sequence 78, Appl | Sequence 7s, Appl Sequence 2, Appli Sequence 78. Appl | Sequence 78, Appli | Sequence 78, Appl | Sequence 78, Appl | Sequence 78, Appl Sequence 2, Appli | Sequence 1, Appli Sequence 64, Appl | Sequence 2, Appli | Sequence 74, Appl | Sequence 62, Appl Sequence 72, Appl | Sequence 52, Appl | Sequence 58, Appl | Sequence 36, Appl | Sequence 35, Appl | Sequence 33, Appl Sequence 76, Appl | Sequence 2, Appli Sequence 7, Appli Semience 2, Appli | Sequence 2, Appli | Sequence 7, Appli | Sequence 7, Appli Sequence 8, Appli Sequence 8, Appli | Sequence 8, Appli Sequence 52, Appl | Sequence 53, Appl Sequence 57, Appl | Sequence 254572, Sequence 7196. Ap | Sequence 302531, | Sequence 194377, | Sequence 11594, A Sequence 351832, | . Sequence 51713, A Sequence 58554, A | Sequence 58292, A Sequence 280, App | Sequence 10, Appl | Sequence 11, Appl Sequence 42, Appl | Sequence 43, Appl Sequence 394, App | Sequence 415, App | Sequence 415, App | Sequence 415, App Sequence 280, App | Sequence 180800, Sequence 217110, | Sequence 42360, A |
| 0-219-525-78 Sequence 78, Appl 175 0-219-526-78 Sequence 78, Appl 176 0-219-530-78 Sequence 78, Appl 177 0-219-531-78 Sequence 78, Appl 178 0-219-531-78 Sequence 78, Appl 178 | 0-219-533-78 Sequence 78, Appl 2-219-531-78 Sequence 78, Appl 2-310-437-78 Sequence 78, Appl 2-310-298-78 Sequence 78, Appl | 7.252-228-70 Sequence 79, Appl 5-347-143-2 Sequence 2, Appli 5-322-226-78 Sequence 78, Appl | 1-297-639-3 Sequence 3, Appli -237-138-78 Sequence 78 Appli | 220-130-78 Sequence 78, Appl | 7-232-230-78 Sequence 78, Appl | -219-477-78 Sequence 78, Appl -483-283-2 Sequence 2, Appli |)-499-608-1 Sequence 1, Appli)-659-004-64 Sequence 64, Appl | -799-776-2 Sequence 2, Appli -659-004-54 Sequence 54 Appl | Sequence 74, Sequence 74, Appl |)-559-004-52 Sequence 52, Appl)-659-004-72 Sequence 72, Appl |)-659-004-52 Sequence 52, Appl -659-004-56 Sequence 56, Appl |)-659-004-58 Sequence 58, Appl | \$601-968-36 Sequence 36, Appl | -802-154-35 Sequence 35, Appl |)-379-334-33 Sequence 33, Appl)-659-004-76 Sequence 76, Appl | J-06U-765-2 Sequence 7, Appl. 909-983-7 Sequence 7, Appl. -818-140-2 Sequence 2, Appl. | 3-771-173-2 Sequence 2, Appli | 5-818-140-7 Sequence 7, Appli 5-818-140-7 Sequence 7, Appli 7-71 1-72 Sequence 7, Appli |)-/1-1-7-7)60-765-8 Sequence 8, Appli Sequence 8 Appli Sequence 8 Appli | Sequence 8, April 5-771-173-8 Sequence 52, April 5-424-955A-52 Sequence 52, April | 982-514-53 Sequence 53, Appl 982-514-57 Sequence 57, Appl | -424-599-254572 Sequence 254572, -032-585-7196 Sequence 7196. Ap | 0-425-115-30231 Sequence 302531, | 7-30-703-30207 Sequence 30207, A Sequence 184377, 7-17-71-71-71-71-71-71-71-71-71-71-71-71 | -156-/61-11594 Sequence 11594, A)-425-115-351832 Sequence 351832, |)-450-763-51713 . Sequence 51713, A)-450-763-58554 . Sequence 58554, A |)-450-763-58292 Sequence 58292, A)-894-018-280 Sequence 280, App |)-103-395-10 Sequence 10, Appl | 7-103-395-11 Sequence 11, Appl 7-103-395-42 Sequence 42, Appl |)-103-395-43 Sequence 43, Appl)-161-791-394 Sequence 394, App |)-371-525-415 Sequence 415, App | 371-645-415 Sequence 115, App | 7-3/1-260-415 Sequence 415, App | -43/-963-186666 Sequence 186666, -424-599-217110 Sequence 217110, | -864-761-42360 Sequence 42360, A |
| 0-219-525-78 Sequence 78, Appl 175 0-219-526-78 Sequence 78, Appl 176 0-219-530-78 Sequence 78, Appl 177 0-219-531-78 Sequence 78, Appl 178 0-219-531-78 Sequence 78, Appl 178 | 0-219-533-78 Sequence 78, Appl 2-219-531-78 Sequence 78, Appl 2-310-437-78 Sequence 78, Appl 2-310-298-78 Sequence 78, Appl | 7.252-228-70 Sequence 79, Appl 5-347-143-2 Sequence 2, Appli 5-322-226-78 Sequence 78, Appl | 1-297-639-3 Sequence 3, Appli -237-138-78 Sequence 78 Appli | 220-130-78 Sequence 78, Appl | 7-232-230-78 Sequence 78, Appl | -219-477-78 Sequence 78, Appl -483-283-2 Sequence 2, Appli |)-499-608-1 Sequence 1, Appli)-659-004-64 Sequence 64, Appl | -799-776-2 Sequence 2, Appli -659-004-54 Sequence 54 Appl | Sequence 74, Sequence 74, Appl |)-659-004-62 Sequence 62, Appl)-659-004-72 Sequence 72, Appl |)-659-004-52 Sequence 52, Appl -659-004-56 Sequence 56, Appl |)-659-004-58 Sequence 58, Appl | \$601-968-36 Sequence 36, Appl | -802-154-35 Sequence 35, Appl |)-379-334-33 Sequence 33, Appl)-659-004-76 Sequence 76, Appl | J-06U-765-2 Sequence 7, Appl. 909-983-7 Sequence 7, Appl. -818-140-2 Sequence 2, Appl. | 3-771-173-2 Sequence 2, Appli | 5-818-140-7 Sequence 7, Appli 5-818-140-7 Sequence 7, Appli 7-71 1-72 Sequence 7, Appli |)-/1-1-7-7)60-765-8 Sequence 8, Appli Sequence 8 Appli Sequence 8 Appli | Sequence 8, April 5-771-173-8 Sequence 52, April 5-424-955A-52 Sequence 52, April | 982-514-53 Sequence 53, Appl 982-514-57 Sequence 57, Appl | -424-599-254572 Sequence 254572, -032-585-7196 Sequence 7196. Ap | 0-425-115-30231 Sequence 302531, | 7-30-703-30207 Sequence 30207, A Sequence 184377, 7-17-17-1604 Sequence 184377, 7-17-17-17-17-17-17-17-17-17-17-17-17-17 | -156-/61-11594 Sequence 11594, A)-425-115-351832 Sequence 351832, |)-450-763-51713 . Sequence 51713, A)-450-763-58554 . Sequence 58554, A |)-450-763-58292 Sequence 58292, A)-894-018-280 Sequence 280, App |)-103-395-10 Sequence 10, Appl | 7-103-395-11 Sequence 11, Appl 7-103-395-42 Sequence 42, Appl |)-103-395-43 Sequence 43, Appl)-161-791-394 Sequence 394, App |)-371-525-415 Sequence 415, App | 371-645-415 Sequence 115, App | 7-3/1-260-415 Sequence 415, App | -43/-963-186666 Sequence 186666, -424-599-217110 Sequence 217110, | -864-761-42360 Sequence 42360, A |
| 4 US-10-219-525-78 Sequence 78, Appl 175 4 US-10-219-526-78 Sequence 78, Appl 176 4 US-10-219-530-78 Sequence 78, Appl 177 4 US-10-219-531-78 Sequence 78, Appl 178 5 US-10-219-531-78 Sequence 78, Appl 178 | 4 US-10-219-533-78 Sequence 78, Appl 4 US-10-230-437-78 Sequence 78, Appl 4 IS-10-230-437-78 Sequence 78, Appl 5 IS-10-232-238-78 Sequence 78, Appl | 4 US-10-232-226-70 Sequence 79, Appl 4 US-10-347-143-2 Sequence 2, Appli , 4 US-10-232-256-78 Sequence 78, Appl | 4 US-10-297-639-3 Sequence 3, Appli 4 US-10-297-639-3 Sequence 3, Appli Sequence 78 Appli | 4 US-10-210-315-78 Sequence 78, Appl | 4 US-10-119-480-78 Sequence 78, Appl | 5 US-10-219-477-78 Sequence 78, Appl 5 US-10-483-283-2 Sequence 2, Appli | 5 US-10-499-608-1 Sequence 1, Appli 5 US-10-659-004-64 Sequence 64, Appl | 3 US-09-799-776-2 Sequence 2, Appli 5 US-10-659-004-54 Sequence 54 Appl | 5 US-10-659-004-74 Sequence 74, Appl | 5 US-10-659-004-62 Sequence 62, Appl 5 US-10-659-004-72 Sequence 72, Appl | 5 US-10-659-004-52 Sequence 52, Appl 5 US-10-659-004-56 Sequence 56, Appl | 5 US-10-659-004-58 Sequence 58, Appl | 3 US-10-032-001-00 Sequence 36, Appl | 3 US-09-801-938-33 Sequence 33, Appl | 4 US-10-379-334-33 Sequence 33, Appl 5 US-10-659-004-76 Sequence 76, Appl | 4 US-10-080-765-2 Sequence 2, Appli 4 US-10-090-983-7 Sequence 7, Appli 4 US-10-090-983-7 Sequence 2, Appli | 5 US-10-771-173-2 Sequence 2, Appli | 4 US-10-000-103-7 Sequence 7, Appli 4 US-10-818-140-7 Sequence 7, Appli 5 10 10 11 110 Sequence 7, Appli | 9 02 10-1/1-1/3 Sequence /, April 4 US-10-060-765-8 Sequence 8 April 4 US-10-818-140-8 Sequence 8 April | 5 US-10-771-173-8 Sequence 8, Appl 4 US-10-424-955A-52 Sequence 52, Appl | 5 US-10-982-514-53 Sequence 53, Appl 5 US-10-982-514-57 Sequence 57, Appl | 4 US-10-424-599-254572 Sequence 254572, 4 US-10-032-585-7196 Sequence 7196, Ap | 4 US-10-425-115-302531 Sequence 302531, | 4 US-10-437-963-184377 Sequence 184377, | 4 US-10-156-761-11594 Sequence 11594, A 4 US-10-425-115-351832 Sequence 351832, | 5 US-10-450-763-51713 . Sequence 51713, A 5 US-10-450-763-58554 . Sequence 58554, A | 5 US-10-450-763-58292 Sequence 58292, A 3 US-09-894-018-280 Sequence 280, App | 4 US-10-103-395-10 Sequence 10, Appl | 4 US-10-103-395-42 Sequence 42, Appl | 4 US-10-103-395-43 Sequence 43, Appl 4 US-10-161-791-394 Sequence 394, App | 4 US-10-371-525-415 Sequence 415, App 4 US-10-371-069-415 Seminance 415, App | 4 US-10-3/1-645-415 Sequence 415, App | 4 US-10-3/1-26U-415 Sequence 415, App 5 US-10-474-960A-280 Sequence 280, App | 4 US-10-43/-963-186666 Sequence 186666, 4 US-10-424-599-217110 Sequence 217110, | 3 US-09-864-761-42360 Sequence 42360, A |
| 4 US-10-219-525-78 Sequence 78, Appl 175 4 US-10-219-526-78 Sequence 78, Appl 176 4 US-10-219-530-78 Sequence 78, Appl 177 4 US-10-219-531-78 Sequence 78, Appl 178 5 US-10-219-531-78 Sequence 78, Appl 178 | 4 US-10-219-533-78 Sequence 78, Appl 4 US-10-230-437-78 Sequence 78, Appl 4 IS-10-230-437-78 Sequence 78, Appl 5 IS-10-232-238-78 Sequence 78, Appl | 4 US-10-232-226-70 Sequence 79, Appl 4 US-10-347-143-2 Sequence 2, Appli , 4 US-10-232-256-78 Sequence 78, Appl | 4 US-10-297-639-3 Sequence 3, Appli 4 US-10-297-639-3 Sequence 3, Appli Sequence 78 Appli | 4 US-10-210-315-78 Sequence 78, Appl | 4 US-10-119-480-78 Sequence 78, Appl | 5 US-10-219-477-78 Sequence 78, Appl 5 US-10-483-283-2 Sequence 2, Appli | 5 US-10-499-608-1 Sequence 1, Appli 5 US-10-659-004-64 Sequence 64, Appl | 3 US-09-799-776-2 Sequence 2, Appli 5 US-10-659-004-54 Sequence 54 Appl | 5 US-10-659-004-74 Sequence 74, Appl | 5 US-10-659-004-62 Sequence 62, Appl 5 US-10-659-004-72 Sequence 72, Appl | 5 US-10-659-004-52 Sequence 52, Appl 5 US-10-659-004-56 Sequence 56, Appl | 5 US-10-659-004-58 Sequence 58, Appl | 3 US-10-032-001-00 Sequence 36, Appl | 3 US-09-801-938-33 Sequence 33, Appl | 4 US-10-379-334-33 Sequence 33, Appl 5 US-10-659-004-76 Sequence 76, Appl | 4 US-10-080-765-2 Sequence 2, Appli 4 US-10-090-983-7 Sequence 7, Appli 4 US-10-090-983-7 Sequence 2, Appli | 5 US-10-771-173-2 Sequence 2, Appli | 4 US-10-000-103-7 Sequence 7, Appli 4 US-10-818-140-7 Sequence 7, Appli 5 10 10 11 110 Sequence 7, Appli | 9 02 10-1/1-1/3 Sequence /, Appli 4 US-10-060-765-8 Sequence 8 Appli 4 US-10-818-140-8 Sequence 8 Appli | 5 US-10-771-173-8 Sequence 8, Appl 4 US-10-424-955A-52 Sequence 52, Appl | 5 US-10-982-514-53 Sequence 53, Appl 5 US-10-982-514-57 Sequence 57, Appl | 4 US-10-424-599-254572 Sequence 254572, 4 US-10-032-585-7196 Sequence 7196, Ap | 4 US-10-425-115-302531 Sequence 302531, | 4 US-10-437-963-184377 Sequence 184377, | 4 US-10-156-761-11594 Sequence 11594, A 4 US-10-425-115-351832 Sequence 351832, | 5 US-10-450-763-51713 . Sequence 51713, A 5 US-10-450-763-58554 . Sequence 58554, A | 5 US-10-450-763-58292 Sequence 58292, A 3 US-09-894-018-280 Sequence 280, App | 4 US-10-103-395-10 Sequence 10, Appl | 4 US-10-103-395-42 Sequence 42, Appl | 4 US-10-103-395-43 Sequence 43, Appl 4 US-10-161-791-394 Sequence 394, App | 4 US-10-371-525-415 Sequence 415, App 4 US-10-371-069-415 Seminance 415, App | 4 US-10-3/1-645-415 Sequence 415, App | 4 US-10-3/1-26U-415 Sequence 415, App 5 US-10-474-960A-280 Sequence 280, App | 4 US-10-43/-963-186666 Sequence 186666, 4 US-10-424-599-217110 Sequence 217110, | 3 US-09-864-761-42360 Sequence 42360, A |
| 208 4 US-10-219-525-78 Sequence 78, Appl 175 208 4 US-10-219-526-78 Sequence 78, Appl 176 208 4 US-10-219-530-78 Sequence 78, Appl 177 208 4 US-10-219-531-78 Sequence 78, Appl 178 208 4 US-10-219-531-78 Sequence 78, Appl 178 | 208 4 US-10-219-533-78 Sequence 78, Appl 208 4 US-10-230-437-78 Sequence 78, Appl 208 4 US-10-230-237-78 Sequence 78, Appl 208 4 US-10-230-278 Sequence 78 Appl 208 4 US-10-230-278 Sequence 78 Appl 208 208 208 208 208 208 208 208 208 208 | 200 4 US-10-347-143-2 Sequence 2, Appl. 0 208 4 US-10-347-143-2 Sequence 2, Appli C | 0 208 4 US-10-297-639-3 Sequence 3, Appli 0 208 4 US-10-297-639-3 Sequence 7, Appli | 0 208 4 US-10-219-535-78 Sequence 79, Appl | 0 208 4 US-10-480-78 Sequence 78, Appl | 0 208 5 US-10-219-477-78 Sequence 78, Appl 0 208 5 US-10-483-283-2 Sequence 2, Appli | 0 208 5 US-10-499-608-1 Sequence 1, Appli 0 209 5 US-10-659-004-64 Sequence 64, Appl | 8 209 3 US-09-776-2 Sequence 2, Appli 3 183 5 US-10-659-004-54 Seminore 54 Appl | 9 209 5 US-10-659-004-74 Sequence 74, Appl | 7 209 5 US-10-659-004-62 Sequence 62, Appl 4 209 5 US-10-659-004-72 Sequence 72, Appl | 125 5 US-10-659-004-52 Sequence 52, Appl 209 5 US-10-659-004-56 Sequence 56, Appl | 209 5 US-10-659-004-58 Sequence 58, Appl | 68 3 US-09-001-968-36 Sequence 36, Appl | 136 3 US-09-901-938-33 Sequence 33, Appl | 136 4 US-10-379-334-33 Sequence 33, Appl 209 5 US-10-659-004-76 Sequence 76, Appl | 210 4 US-10-080-765-2 Sequence 2, Appli 210 4 US-10-090-981-7 Sequence 7, Appli 210 4 US-10-818-140-2 Sequence 2, Appli | 210 5 US-10-771-173-2 Sequence 2, Appli | 16 4 US-10-000-[03-7] Sequence 7, Appli 16 4 US-10-918-140-7 Sequence 7, Appli 16 10 171 170 Sequence 7, Appli | 15 4 US-10-66-75-8 Sequence 7, Appli 15 4 US-10-66-75-8 Sequence 8, Appli 15 4 US-10-678-140-8 Sequence 8, Appli | 15 5 US-10-771-173-8 Sequence 8, Appl 9 4 US-10-424-955A-52 Sequence 52, Appl | 9 5 US-10-982-514-53 Sequence 53, Appl 9 5 US-10-982-514-57 Sequence 57, Appl | 127 4 US-10-424-599-254572 Sequence 254572, 212 4 US-10-032-585-7196 Sequence 7196, Ap | 259 4 US-10-425-115-302531 Sequence 302531, | 474 4 US-10-430-703-30207 Sequence 30207, A | 523 4 US-10-128-701-11594 Sequence 11594, A 525 4 US-10-425-115-351832 Sequence 351832, | 608 5 US-10-450-763-51713 . Sequence 51713, A 673 5 US-10-450-763-58554 . Sequence 58554, A | 1575 5 US-10-450-763-58292 Sequence 58292, A 15 3 US-09-894-018-280 Sequence 280, App | 15 4 US-10-103-395-10 Sequence 10, Appl | 15 4 US-10-103-395-11 Sequence 42, Appl | 15 4 US-10-103-395-43 Sequence 43, Appl 15 4 US-10-161-791-394 Sequence 394, App | 15 4 US-10-371-525-415 Sequence 415, App | 15 4 US-10-371-645-415 Sequence 415, App | 4 US-10-3/1-26U-415 Sequence 415, App 5 US-10-474-960A-280 Sequence 280, App | 2/ 4 US-10-43/-963-186666 Sequence 186666, 38 4 US-10-424-599-217110 Sequence 217110, | 57 3 US-09-864-761-42360 Sequence 42360, A |
| US-10-219-525-78 Sequence 78, Appl 175 US-10-219-526-78 Sequence 78, Appl 176 US-10-219-530-78 Sequence 78, Appl 177 US-10-219-531-78 Sequence 78, Appl 177 US-10-219-531-78 Sequence 78, Appl 178 | 0.0 208 4 US-10-219-533-78 Sequence 78, Appl 0.0 208 4 US-10-230-437-78 Sequence 78, Appl 0.0 208 4 US-10-230-437-78 Sequence 78, Appl 0.0 208 4 US-10-230-238-78 Sequence 78, Appl | 0.0 208 4 US-10-347-143-2 Sequence 2, Appli 0.0 208 4 US-10-347-143-2 Sequence 2, Appli 0.0 208 4 US-10-232-256-78 Sequence 78, Appli 0.0 208 4 US-10-232-256-78 Sequence 78, Appli 0.0 208 4 US-10-232-256-78 Sequence 78, Appli 0.0 208 208 208 208 208 208 208 208 208 20 | 0.0 208 4 US-10-29-639-3 Sequence 3, April 0.0 208 4 US-10-29-639-3 Sequence 3, April 0.0 208 4 US-10-230-1310-78 Sequence 9.8 April 0.0 208 4 US-10-230-1310-78 Seque | 0.0 208 4 US-10-239-235-78 Sequence 78, Appl | 0.0 208 4 US-10-119-480-78 Sequence 78, Appl | 0.0 208 5 US-10-219-477-78 Sequence 78, Appl 0.0 208 5 US-10-483-283-2 Sequence 2, Appli | 0.0 208 5 US-10-499-608-1 Sequence 1, Appli 0.0 209 5 US-10-659-004-64 Sequence 64, Appl | 2.8 209 3 US-09-796-2 Sequence 2, Appli 1.3 183 5 US-10-659-004-54 Sequence 54 Appl | 2.09 5 US-10-659-004-74 Sequence 74, Appl | 3.7 209 5 US-10-659-004-62 Sequence 62, Appl 9.4 209 5 US-10-659-004-72 Sequence 72, Appl | 7.4 125 5 US-10-659-004-52 Sequence 52, Appl 2.2 209 5 US-10-659-004-56 Sequence 56, Appl | 2.2 209 5 US-10-659-004-58 Sequence 58, Appl | 2.5 68 3 US-09-001-968-36 Sequence 36, Appl | 2.5 136 3 US-09-901-938-33 Sequence 33, Appl | 2.5 136 4 US-10-379-334-33 Sequence 33, Appl 3.7 209 5 US-10-659-004-76 Sequence 76, Appl | 4.4 210 4 US-10-000-055-2 Sequence 2, Appl. 4.4 210 4 US-10-090-983-7 Sequence 7, Appl. 4.4 210 4 US-10-818-140-2 Sequence 2, Appl. 5. | 1.4 210 5 US-10-771-173-2 Sequence 2, Appli | 7 16 4 US-10-000-103-7 Sequence 7, Appli 7 16 4 US-10-018-140-7 Sequence 7, Appli | 2 15 4 US-10-60-765-8 Sequence 8, Applia Sequence 7, 15 4 US-10-818-140-8 Sequence 8, Applia | 2 15 US-10-771-173-8 Sequence 8, Appl 3 9 4 US-10-424-955A-52 Sequence 52, Appl | .3 9 5 US-10-982-514-53 Sequence 53, Appl .3 9 5 US-10-982-514-57 Sequence 57, Appl | 8 127 4 US-10-424-599-254572 Sequence 254572, 8 212 4 US-10-032-585-7196 Sequence 7196, Ap | .8 259 4 US-10-425-115-302531 Sequence 302531, | .8 474 4 US-10-437-961-184377 Sequence 184377, | .8 525 4 US-10-125-701-11594 Sequence 11594, A | .8 608 5 US-10-450-763-51713 . Sequence 51713, A .8 673 5 US-10-450-763-58554 . Sequence 58554, A | .8 1575 5 US-10-450-763-58292 Sequence 58292, A .3 15 3 US-09-894-018-280 Sequence 280, App | 3 15 4 US-10-103-395-10 Sequence 10, Appl | 3 15 4 US-10-103-395-11 Sequence 11, Appl | .3 15 4 US-10-103-395-43 Sequence 43, Appl .3 15 4 US-10-161-791-394 Sequence 394, App | 3 15 4 US-10-371-525-415 Sequence 415, App | 3 15 4 US-10-371-645-415 Sequence 415, App | 15 4 US-10-3/1-260-415 Sequence 415, App 13 15 5 US-10-474-960A-280 Sequence 280, App | 3 2/ 4 US-10-42/-599-180000 Sequence 100000, | 3 57 3 US-09-864-761-42360 Sequence 42360, A |

| -765-4.oligo.rapbm |
|--------------------|
| 765-4.oligo. |
| 765-4. |
| 765-4. |
| 765-4. |
| 765-4. |
| 765-4. |
| 765-4. |
| -765-4. |
| -765-4 |
| -765- |
| -765 |
| - 16 |
| - |
| |
| |
| ÷ |
| ٠ |
| -090- |
| 0 |
| • |
| us-10 |
| - |
| • |
| m |
| - |
| _ |

| Sequence 206, App Sequence 206, App Sequence 206, App Sequence 206, App Sequence 206, App | | | | | | | | | | | | | ••• | • • | | | | | • • • | | | | | | | • • | | | | | • • | 4 | , , | ٧. | .,, | equence 11982 equence 12978 | equence 378 | equence 3090 equence 1833 | equence 47 | equence 51 | equence 89 | quence 22 | equence 24 | equence 38 | equence 19 | e 7, | equence 23 | equence 23 | 36, | equence 505 |
|---|---|---|---|--|--|--|---|---|---|--|--|--|--|--|---|--|--|---|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|--|--|-------------------------------|
| US-10-164-929A-206 US-10-013-922A-206 US-10-020-445A-206 US-10-013-924A-206 US-10-017-084A-206 | US-10-145-016A-206 US-10-145-088A-206 | US-10-145-092A-206 US-10-145-129A-206 | US-10-165-038A-206 US-10-165-353A-206 | US-10-167-600-206 | SS | SO | ŝ | Si | SS | Sn | SD | ģģ | ns | ė i | ខ្លួន | ģ | -sn | S E | ģ | Sn | s s | SS | Sn. | - si | ns | ģ | 2 2 | g- | - an | ទទ | SD : | S E | SS | -SD | ទំន | S S | Sn | S S | g; | -sn | -sn | - 81 | Sn -Sn | us- | -SD | -Sn | - - - - - - - - - - - - - - - - - - - | us- | S S | ns |
| 377 377 44 778 377 44 44 44 | 377 4 | 377 4 377 4 | 377 4 377 4 | 377 4 | | 377 4 | - | | | 377 4 | | | | | | | | | | | | | | | | | | | | | | | | - | • | | | - | | • | | | | | | | | | | |
| | u i i i | wi wi | ú ú | wi u | نين | wi wi | | w. w | . n. | <u>س</u> ، | w. u | . w. | ų. | wi c | j m | m | w. | | i wi | w. | ni ni | . m | w. i | u u | ı m | w. c | j u | ı m | w ç | j m | m, e | nj r | . n. | e. | ų. | i u | m. | m, n | . m | e. | m, e | m | י מי | ۳. | m, i | m u | ŋ er | . m | ຸຕຸ | . " |
| | | | | | | | | | | | | | | | | 7 | | . r | 7 | 7 3 | . r | 7 | 7 3 | 7 7 W W | 7 3 | | , r, | 7 | | , , | 7 | . r | | | | | | | | | | • | | | | | | | | |
| 320 321 322 323 323 323 | mmr | m m | mm | m r | י היי נ | m m | m | m r | 'nM | m | m r | 'n | m | m r | 'nm | m | m (| יי ניי | חח | mi | m m | 'n | m í | 8 55 65 67 7. | m | m | " | m | m c | חח | m (| | ח ה | m | mi | ייי ני | m | 'n'n | mí | ñ. | М | m.ř | กัต | m | m i | m ñ | 7 (7 | 'n | 'n | 7 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | • | | | | | | | | | | | | | | | | | | | | | |
| Sequence 585, App Sequence 8062, Ap Sequence 73062, A Sequence 19237, A Sequence 4294, Ap | | | | | | | 206 | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 907 | 206, | 206, | 206, | 206, | 206, | 206, | 206, | 206, | equence 206, | 206, | equence 206. | equence 206, | equence 206, | equence 206, | equence 206, | equence 206. | ence 206, | equence 206, |
| |)-437-963-134602 Sequence 3-425-114-64959 Sequence 6-1274-2553-1994 | 7-7/4-355A-1884 Sequence 3-815-242-11980 Sequence |)-369-493-3387 Sequence 3)-480-988-14 Sequence 3 |)-450-763-59453 Sequence 5)-425-115-324566 Sequence |)-156-761-11851 Sequence | 7-425-114-54131 Sequence (| 1-978-697-206 Sequence 206, | 7-978-192A-206 Sequence 206, 3-999-832A-206 | 7.978-189-206 Sequence 206, |)-978-608A-206 Sequence 206, | 1-978-585A-206 Sequence 206, 1-978-1911-206 Semience 206 | 1-978-403A-206 Sequence 206, | 1-978-564A-206 Sequence 206, | 1-999-833A-206 Sequence 206, | 1-978-824-206 Sequence 206, | -918-585A-206 Sequence 206, | 1-999-834A-206 Sequence 206, | 1-978-423A-206 Sequence 206, 1-978-193A-206 Semience 206 | -999-830A-206 Sequence 206, | 1-978-757A-206 Sequence 206, | -978-1878-206 Sequence 206, -978-643A-206 Sequence 206, | 1-978-375A-206 Sequence 206, | 1-978-298A-206 Sequence 206, | -978-188A-206 Sequence 206, -978-681A-206 Sequence 206. | -978-194A-206 Sequence 206, | -999-829A-206 Sequence 206, | -978-594A-206 Sequence 206, | -978-665A-206 Sequence 206, | 1-978-802A-206 Sequence 206, | -978-824-206 Sequence 206, | -017-081A-206 Sequence 206, | -16/-/49-206 Sequence 206, -013-9218-206 Sequence 206 | -013-929A-206 Sequence 206, | -016-177A-206 Sequence 206, | -166-709A-206 Sequence 206, | -143-031A-206 Sequence 206. | -002-967A-206 Sequence 206, | -017-083A-206 Sequence 206, | -017-191A-206 Sequence 206, | -143-028A-206 Sequence 206, | -143-029A-206 Sequence 206, | -145-089A-206 Sequence 206, | -145-017A-206 Sequence 206. | -164-728A-206 Sequence 206, | -013-926A-206 Sequence 206, | -165-247A-206 Sequence 206, | -145-124A-206 Sequence 206, -160-502A-206 Semience 206, | -145-087A-206 Sequence 206. | -113-08/A-206 Sequence 206, | -164-829A-206 Seguence 206. |
| 4 US-10-072-012-585 Sequence 4 US-10-156-716-8062 Sequence 4 US-10-155-114-73062 Sequence 5 US-10-732-923-19237 Sequence 5 US-10-617-320-4294 Sequence 4 | 4 US-10-437-963-134602 Sequence 4 US-10-425-114-64959 Sequence 7 IIS-10-774-25-114-64959 Sequence | 3 US-09-815-242-11980 Sequence | 4 US-10-369-493-3387 Sequence 5 US-10-480-988-14 Sequence 1 | 5 US-10-450-763-59453 Sequence 3 US-10-425-115-324566 Sequence 3 | 4 US-10-156-761-11851 Sequence | 4 US-10-425-114-64131 Sequence 3 US-09-978-295A-206 Sequence 3 | 3 US-09-978-697-206 Sequence 206, | 3 US-09-978-192A-206 Sequence 206, 3 US-09-999-832A-206 Semience 206 | 3 US-09-978-189-206 Sequence 206, | 3 US-09-978-608A-206 Sequence 206, | 3 113-109-978-585A-206 Sequence 206, | 3 US-09-978-403A-206 Sequence 206, | 3 US-09-978-564A-206 Sequence 206, | 3 US-09-999-833A-206 Sequence 206, | 3 US-09-978-824-206 Sequence 206, | 3 US-09-918-585A-206 Sequence 206, | 3 US-09-999-834A-206 Sequence 206, | 3 IIS-09-978-193A-206 Sequence 206, | 3 US-09-999-830A-206 Sequence 206, | 3 US-09-978-757A-206 Sequence 206, | 3 US-09-978-643A-206 Seguence 206, 3 US-09-978-643A-206 | 3 US-09-978-375A-206 Sequence 206, | 3 US-09-978-298A-206 Sequence 206, | 3 US-09-978-188A-206 Sequence 206, 3 US-09-978-681A-206 Sequence 206. | 3 US-09-978-194A-206 Sequence 206, | 3 US-09-999-829A-206 Sequence 206, | 3 US-09-978-554A-206 Sequence 206, | 3 US-09-978-665A-206 Sequence 206, | 3 US-U9-978-8UZA-206 Sequence 206, | 3 US-09-978-824-206 Sequence 206, | 4 US-10-017-081A-206 Sequence 206, | 4 US-10-16/-/49-206 Sequence 206, 4 HS-10-013-9013-006 | 4 US-10-013-929A-206 Sequence 206, | 4 US-10-016-177A-206 Sequence 206, | 4 US-10-166-709A-206 Sequence 206, | 4 US-10-143-031A-206 Sequence 206. | 4 US-10-002-967A-206 Sequence 206, | 4 US-10-017-083A-206 Sequence 206, | 4 US-10-017-191A-206 Sequence 206, | 4 US-10-143-028A-206 Sequence 206, | 4 US-10-143-029A-206 Sequence 206, | 4 US-10-145-089A-206 Sequence 206, | 4 US-10-145-017A-206 Sequence 206. | 4 US-10-164-728A-206 Sequence 206, | 4 US-10-013-926A-206 Sequence 206, | 4 US-10-165-247A-206 Sequence 206, | 4 US-10-145-124A-206 Sequence 206, 4 US-10-160-502A-206 | 4 US-10-145-087A-206 Sequence 206. | 4 US-10-017-086A-206 Sequence 206, | 4 IIS-10-164-829A-206 |
| 307 4 US-10-072-012-585 Sequence 309 4 US-10-156-761-8062 Sequence 311 4 US-10-425-114-73062 Sequence 316 5 US-10-732-923-19237 Sequence 316 5 US-10-617-320-4294 Sequence 4 | 317 4 US-10-437-963-134602 Sequence 318 4 US-10-425-14-64959 Sequence 316 4 US-10-7425-14-64959 Sequence 316 4 US-10-742-14-64959 | 319 5 US-10-7/4-355A-1884 Sequence 340 3 US-09-815-242-11980 Sequence | 351 4 US-10-369-493-3387 Sequence 354 5 US-10-480-988-14 Sequence 3 | 371 5 US-10-450-763-59453 Sequence 375 4 US-10-425-115-32456 Sequence | 376 4 US-10-156-761-11851 Sequence | 377 3 US-09-978-295A-206 Sequence | 377 3 US-09-978-697-206 Sequence 206, | 377 3 US-09-99-832A-206 Sequence 206, 377 3 US-09-999-832A-206 | 377 3 US-09-978-189-206 Sequence 206, | 377 3 US-09-978-608A-206 Sequence 206, | 377 3 US-09-978-585A-206 Sequence 206, 377 3 US-09-978-1918-206 | 377 3 US-09-978-403A-206 Sequence 206, | 377 3 US-09-978-564A-206 Sequence 206, | 377 3 US-09-999-833A-206 Sequence 206, | 377 3 US-09-978-824-206 Sequence 206, | 377 3 US-09-918-585A-206 Sequence 206, | 377 3 US-09-999-834A-206 Sequence 206, | 377 3 US-09-978-193A-206 Sequence 206, | 377 3 US-09-999-830A-206 Sequence 206, | 377 3 US-09-978-757A-206 Sequence 206, | 377 3 US-09-978-18/B-206 Sequence 206, 377 3 US-09-978-643A-206 | 377 3 US-09-978-375A-206 Sequence 206, | 377 3 US-09-978-298A-206 Sequence 206, | 377 3 US-09-978-188A-206 Sequence 206, 377 3 US-09-978-681A-206 Sequence 206. | 377 3 US-09-978-194A-206 Sequence 206, | 377 3 US-09-999-829A-206 Sequence 206, | 377 3 US-09-978-544A-206 Sequence 206, | 377 3 US-09-978-665A-206 Sequence 206, | 377 3 US-09-978-802A-206 Seguence 206, | 377 3 US-09-978-824-206 Sequence 206, | 377 4 US-10-017-081A-206 Sequence 206, | 3// 4 US-IU-16/-/49-206 Sequence 206, 377 4 HS-10-013-9018-206 | 377 4 US-10-013-929A-206 Sequence 206, | 377 4 US-10-016-177A-206 Sequence 206, | 377 4 US-10-166-709A-206 Sequence 206, | 377 4 US-10-143-030A-206 Sequence 206. | 377 4 US-10-002-967A-206 Sequence 206, | 377 4 US-10-017-083A-206 Sequence 206, | 377 4 US-10-017-191A-206 Sequence 206, | 377 4 US-10-143-028A-206 Sequence 206, | 377 4 US-10-143-029A-206 Sequence 206, | 377 4 US-10-145-089A-206 Sequence 206, 377 4 US-10-165-0678-206 | 377 4 US-10-145-017A-206 Sequence 206. | 377 4 US-10-164-728A-206 Seguence 206, | 377 4 US-10-013-926A-206 Sequence 206, | 377 4 US-10-165-247A-206 Sequence 206, . | 377 4 US-10-145-124A-205 Seguence 205, 377 4 US-10-160-502A-206 | 377 4 US-10-145-087A-206 Sequence 206. | 377 4 US-10-017-086A-206 Sequence 206, | 200 200 200 200 200 201 V LLC |
| 3 307 4 US-10-072-012-585 Sequence 3 309 4 US-10-156-761-8062 Sequence 3 311 4 US-10-425-114-73062 Sequence 3 316 5 US-10-732-923-19237 Sequence 3 316 5 US-10-617-320-4294 Sequence 4 | 3 317 4 US-10-437-963-134602 Sequence 3 318 4 US-10-425-114-64959 Sequence 3 3 3 4 5 Tre-10-774-5188 | 3 340 3 US-09-815-242-11980 Sequence | .3 354 5 US-10-369-493-3387 Sequence 3 | .3 371 5 US-10-450-763-59453 Sequence 3 | 3 376 4 US-10-156-761-11851 Sequence | .3 377 3 US-09-978-295A-206 Sequence 3 | .3 377 3 US-09-978-697-206 Sequence 206, | .3 377 3 US-09-978-192A-206 Sequence 206, .3 377 3 US-09-999-832A-206 Semience 206 | .3 377 3 US-09-978-189-206 Sequence 206, | .3 377 3 US-09-978-608A-206 Sequence 206, | .3 377 3 US-U9-978-585A-206 Sequence 206, 3 377 3 US-09-978-1911-206 Sequence 206 | .3 377 3 US-09-978-403A-206 Sequence 206, | .3 377 3 US-09-978-564A-206 Sequence 206, | .3 377 3 US-09-999-833A-206 Sequence 206, | .3 377 3 US-09-978-824-206 Sequence 206, | .3 377 3 US-09-918-585A-206 Sequence 206, | .3 377 3 US-09-999-834A-206 Sequence 206, | .3 .377 3 115-09-978-193A-206 Seguence 206, | .3 377 3 US-09-999-830A-206 Sequence 206, | 3 377 3 US-09-978-757A-206 Sequence 206, | .3 377 3 US-09-978-1878-206 Sequence 206, | .3 377 3 US-09-978-375A-206 Sequence 206, | .3 377 3 US-09-978-298A-206 Sequence 206, | .3 377 3 US-09-978-188A-206 Sequence 206, .3 377 3 US-09-978-681A-206 Sequence 206. | .3 377 3 US-09-978-194A-206 Sequence 206, | .3 377 3 US-09-999-829A-206 Sequence 206, | .3 377 3 US-09-978-544A-206 Sequence 206, | .3 377 3 US-09-978-665A-206 Sequence 206, | .3 377 3 US-09-978-802A-206 Sequence 206, | .3 377 3 US-09-978-824-206 Sequence 206, | .3 377 4 US-10-017-081A-206 Sequence 206, | 3 377 4 US-IU-16/-/49-206 Sequence 206, | .3 377 4 US-10-013-929A-206 Sequence 206, | .3 377 4 US-10-016-177A-206 Sequence 206, | .3 377 4 US-10-166-709A-206 Sequence 206, | .3 377 4 US-10-143-030A-206 Sequence 206. | .3 377 4 US-10-002-967A-206 Sequence 206, | .3 377 4 US-10-017-083A-206 Sequence 206, | .3 377 4 US-10-017-191A-206 Sequence 206, | .3 377 4 US-10-143-028A-206 Sequence 206, | .3 377 4 US-10-143-029A-206 Sequence 206, | .3 377 4 US-10-145-089A-206 Sequence 206, 3 377 4 US-10-145-0678-206 | 3 377 4 US-10-145-017A-206 Sequence 206. | .3 377 4 US-10-164-728A-206 Sequence 206, | 3 377 4 US-10-013-926A-206 Sequence 206, | .3 377 4 US-10-165-247A-206 Sequence 206, . | .3 377 4 US-10-140-124A-205 Seguence 205, .3 377 4 US-10-160-502A-206 | .3 377 4 US-10-145-087A-206 Sequence 206. | 3 377 4 US-10-017-086A-206 Sequence 206, | |
| 3.3 307 4 US-10-072-012-585 Sequence 3.3 309 4 US-10-156-761-8062 Sequence 3.3 311 4 US-10-455-114-73062 Sequence 3.3 316 5 US-10-732-923-1927 Sequence 3.3 316 5 US-10-617-320-4294 Sequence | 3.3 317 4 US-10-427-963-134602 Sequence 3.3 318 4 US-10-425-114-64959 Sequence 3.3 3.1 6 TIC-10-74-2-EE-1004 | 3.3 340 3 US-09-815-242-11980 Sequence | 3.3 354 5 US-10-369-493-3387 Sequence 3 3.3 354 5 US-10-480-988-14 Sequence 3 | 3.3 371 5 US-10-450-763-59453 Sequence 3.3 375 4 US-10-425-115-324566 Sequence | 3.3 376 4 US-10-156-761-11851 Sequence | 3.3 377 3 US-10-425-114-54131 Sequence 3 | 3.3 377 3 US-09-978-697-206 Sequence 206, | 3.3 377 3 US-09-978-192A-206 Sequence 206, 3.3 377 3 US-09-999-832A-206 Sequence 206 | 3.3 377 3 US-09-978-189-206 Sequence 206, | 3.3 377 3 US-09-978-608A-206 Sequence 206, | 3.3 3/7 3 US-U9-9/8-585A-206 Sequence 206, | 3.3 377 3 US-09-978-403A-206 Sequence 206, | 3.3 377 3 US-09-978-564A-206 Sequence 206, | 3.3 377 3 US-09-999-833A-206 Sequence 206, | 3.3 377 3 US-09-978-824-206 Sequence 206, | 3.3 377 3 US-09-918-585A-206 Sequence 206, | 3.3 377 3 US-09-999-834A-206 Sequence 206, | 3.3 .377 3 IIS-09-978-193A-206 Seguence 206, | 3.3 377 3 US-09-999-830A-206 Sequence 206, | 3.3 377 3 US-09-978-757A-206 Sequence 206, | 3.3 377 3 US-09-978-643A-206 Sequence 206, 3.3 377 3 US-09-978-643A-206 | 3.3 377 3 US-09-978-375A-206 Sequence 206, | 3.3 377 3 US-09-978-298A-206 Sequence 206, | 3.3 377 3 US-09-978-188A-206 Sequence 206, 3.3 377 3 US-09-978-681A-206 Sequence 206. | 3.3 377 3 US-09-978-194A-206 Sequence 206, | 3.3 377 3 US-09-999-829A-206 Sequence 206, | 3.3 377 3 US-09-978-594A-206 Sequence 206, | 3.3 377 3 US-09-978-665A-206 Sequence 206, | 3.3 377 3 US-U9-978-802A-206 Sequence 206, | 3.3 377 3 US-09-978-824-206 Sequence 206, | 3.3 377 4 US-10-017-081A-206 Sequence 206, | 3.3 3/7 4 US-10-16/-/49-206 Sequence 206, | 3.3 377 4 US-10-013-929A-206 Sequence 206, | 3.3 377 4 US-10-016-177A-206 Sequence 206, | 3.3 377 4 US-10-166-709A-206 Sequence 206, | 3.3 377 4 US-10-143-030A-206 Sequence 206. | 3.3 377 4 US-10-002-967A-206 Sequence 206, | 3.3 377 4 US-10-017-083A-206 Sequence 206, | 3.3 377 4 US-10-017-191A-206 Sequence 206, | 3.3 377 4 US-10-143-028A-206 Sequence 206, | 3.3 377 4 US-10-143-029A-206 Sequence 206, | 3.3 377 4 US-10-145-089A-206 Sequence 206, | 3.3 377 4 US-10-145-017A-206 Sequence 206. | 3.3 377 4 US-10-164-728A-206 Sequence 206, | 3.3 377 4 US-10-013-926A-206 Sequence 206, | 3.3 377 4 US-10-165-247A-206 Sequence 206, | 3.3 377 4 US-10-145-124A-206 Seguence 206, 3.3 377 4 US-10-160-502A-206 Semience 206 | 3.3 377 4 US-10-145-087A-206 Sequence 206. | 3.3 377 4 US-10-017-086A-206 Sequence 206, | |

| 2006 |
|----------|
| 0 |
| 0 |
| \simeq |
| (4 |
| |
| н |
| Ö |
| |
| •• |
| ω |
| 4 |
| |
| |
| П |
| 디 |
| |
| |
| |
| |
| 17 |
| |
| |
| |
| |
| |
| Jan |
| Jan |
| Jan |
| |

us-10-060-765-4.oligo.rapbm

| Sequence 498, App Sequence 498, App Sequence 498, App Sequence 498, App Sequence 498, App Sequence 498, App | equence 498, equence 498, equence 498, equence 498, equence 498, | equence 498, equence 3, Ap equence 498, equence 498, | equence 498, equence 498, equence 498, equence 3, Ap | equence 498, equence 498, equence 26, A | equence 498, equence 498, equence 498, | equence 498, equence 498, equence 498 | equence 498, equence 498, | equence 498, equence 498, equence 498, | equence 498, equence 498, equence 498, | equence 498, equence 498, equence 498, | equence 498, equence 498, equence 498, | equence 498, equence 498, | equence 498, equence 498, equence 498, | equence 498, equence 498, | equence 498, equence 498, | equence 498, equence 498, | equence 498, equence 498, | 2e 498, | equence 498, equence 498, | equence 498, equence 498, | quence 498, quence 498, | equence 498, | equence 198, A | equence 498, equence 498, | quence 498, quence 498, | equence 498, equence 16, A |
|--|--|--|---|--|--|--|---|---|--|--|--|--|--|--|--|---|---|--|--|---|--|------------------------------------|--|--|--|---|
| 3 US-09-978-643A-498 3 US-09-978-375A-498 3 US-09-978-188A-498 3 US-09-978-188A-498 3 US-09-978-198A-498 1 US-09-978-198A-498 1 US-09-978-198A-498 | US-09-978-299A-499 US-09-978-665A-499 US-09-978-665A-499 US-09-978-802A-499 US-09-999-831A-499 | US-09-978-824-498 US-10-095-627-3 US-10-017-081A-49 US-10-167-749-498 | US-1- US-1- US-1- | US-10-166-709A-49 US-10-143-031A-49 US-10-272-502A-26 | US-10-143-030A-49 US-10-002-967A-49 US-10-017-083A-49 | US-10-145-128A-49 US-10-017-191A-49 | US-10-143-029A-49 US-10-145-089A-49 | US-10-165-067A-4 US-10-145-017A-4 US-10-164-728A-4 | US-10-013-926A-49 US-10-165-247A-49 US-10-145-124A-49 | US-10-160-502A-49 US-10-145-087A-49 US-10-017-086A-49 | US-10-164-829A-49 US-10-164-929A-49 US-10-013-922A-49 | US-10-020-445A-49 | US-10-017-084A-49 US-10-145-016A-49 US-10-145-088A-49 | US-10-145-092A-49 US-10-145-129A-49 | US-10-165-038A-49 US-10-165-353A-49 | US-10-167-600-49 US-10-170-481A-4 | US-10-172-039A-498 US-10-210-028-498 | US-10-017-085A-49 | US-10-143-026B-4 US-10-013-918A-4 | US-10-162-521A-49 US-10-013-928A-49 | US-10-162-522A-49 | US-10-013-925A-49 | US-10-013-92/A-49 | US-10-145-093A-49 | US-1 | 0-013-917A-49 0-732-563-16 |
| 33.3 1041 33.3 1041 33.3 1041 1041 1041 1041 | .3 1041 .3 1041 .3 1041 .3 1041 | .3 1041 .3 1041 | .3 1041 .3 1041 .3 1041 | .3 1041 | .3 1041 .3 1041 . | .3 1041 | 13 1041 | 3 1041 | .3 1041 .3 1041 . | .3 1041 .3 1041 . | .3 1041 | 13 1041 | .3 1041 | 3 1041 | .3 1041 | .3 1041 | .3 1041 | .3 1041 | .3 1041 | .3 1041 | 3 1041 | .3 1041 | .3 1041 | .3 1041 | .3 1041 | .3 1041 |
| 466 467 7 468 470 471 7 471 7 | 2457 457 70 70 70 70 | 78 79 80 81 | 482 7 483 7 484 7 | 86 88 88 | 0 0 0 1 0 | 0.65 | * 10 VO I | C 8 6 6 | 0770 | w 44 rV | 06 07 08 | 000 | 122 | 14 15 | 16 17 | 18 19 | 0 4 | 23 | 24 25 | 26 | . 80 00 | 30 | 32 | 33 | 35 | . 7-80 |
| 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | · | | | | | | | | | | | | | | | | | | | | | | 4 Q. Q. |
| 765, Appl Appl Appl Appl Appl Appl | 569, 83, A 2, Ap 30, A Appli | Appli Appli Appli Appli | 22, A 23, A Appli 78, A | , App , App 39, A | , App 875, 3, Ap | 32, A | 8, Ap | 7, Ap Appli Appli | , App 96, A Appl | 49, A 23, A 19, A | o, Ap Appli 975 | 65, A 983, | 49, A 28, A | Appl 25, A | Appli , App | , App , App | , App , App | , Арр , Арр | , App , App | App | App | App | , App , App | App, | App | 22 |
| Sequence 1883 Sequence 1925 Sequence 194 Sequence 20 Sequence 20 Sequence 20 Sequence 20 Sequence 20 | Sequence 4112 Sequence 4238 Sequence 1403 Sequence 1403 Sequence 2, A | 2, Appl 3, Appl 4, Appl 4, Appl | 22 22 22 22 23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25 | 242, Ap 243, Ap 58739, | Sequence 12 Sequence 11 Sequence 57 | Sequence 13 Sequence 12 | Sequence 31 Sequence 46 Sequence 42 | Sequence 74 Sequence 2, Sequence 5, | Sequence 11 Sequence 58 Sequence 49 | Sequence 11 Sequence 66 Sequence 38 | Sequence 37 Sequence 6, | Sequence 330988 | Sequence 19% Sequence 227 | 3,77 | 49. | 9.4 | 4 9 6 9 | 496 | 964 | 4 4 9 6 9 | 4 4 | 96 | 2 6 4 9 | 496 | 498 | 186 |
| Si Sequence 1883 Sequence 1925 Sequence 19, Sequence 20, Sequence 20, Sequence 20, Sequence 20, Sequence 20, | Sequence 1428 Sequence 183 Sequence 183 Sequence 183 Sequence 1403 Sequence 2, p | Sequence 2, Appl Sequence 3, Appl Sequence 4, Appl Sequence 4, Appl | Sequence 22 Sequence 22 Sequence 5, Sequence 52 | Sequence 24 Sequence 24 Sequence 58 | Sequence 12 375 Sequence 11 Sequence 57 | Sequence 13 Sequence 12 Sequence 12 | Sequence 46 | Sequence 74 Sequence 2, Sequence 5, | Sequence 11 796 Sequence 58 Sequence 49 | Sequence 11 S23 Sequence 66 Sequence 38 | Sequence 37 Sequence 6, 375 Sequence 15 | Sequence 33(| Sequence 193 Sequence 223 | Sequence 37, Sequence 387, Sequence 377, Seq | Sequence 3, Sequence 498 | Sequence 498 | Sequence 498 Sequence 498 | Sequence 498 Sequence 498 | Sequence 498 Sequence 498 | Sequence 498 | Sequence 498 | Sequence 496 | Sequence 498 Sequence 498 | Sequence 498 | Sequence 498 | Sequence 186 |
| Sequence 1887 Sequence 1925 Sequence 1926 Sequence 20, Sequenc | .3 597 4 US-10-425-112-312569 Sequence 3122 .3 600 5 US-10-450-763-42383 Sequence 4238 .3 608 4 US-10-732-923-1832 Sequence 1832 .3 608 4 US-10-156-761-14030 Sequence 1803 .3 610 3 US-09-748-107-2 Sequence 2, p | .3 610 4 US-10-281-346-2 Sequence 2, Appl .3 610 4 US-10-380-727-3 Sequence 3, Appl .3 611 3 US-09-748-107-4 Sequence 4, Appl .3 611 4 US-10-281-346-4 Sequence 4, Appl | .3 611 5 US-10-732-923-22122 Sequence 22 .3 611 5 US-10-732-923-22123 Sequence 22 .3 619 5 US-10-467-685-5 Sequence 55 .3 619 5 US-10-450-763-52478 Sequence 55 | .3 625 3 US-09-771-161A-242 Sequence 24 .3 625 3 US-09-771-161A-243 Sequence 24 .3 634 5 US-10-450-763-58739 Sequence 58 | .3 662 4 US-10-114-270-124 Sequence 12 .3 676 4 US-10-437-963-114875 Sequence 11 .3 679 4 US-10-369-493-5703 Sequence 57 | .3 694 4 US-10-156-761-13632 Sequence 13 .3 700 4 US-10-1437-963-128248 Sequence 12 .3 773 4 US-10-20-1373-51656 Sequence 12 | .3 729 4 US-10-369-463-4672 .3 729 4 US-10-369-463-4672 .3 734 3 US-09-738-626-4227 Sequence 42 | .3 740 4 US-10-369-493-7437 Sequence 74 .3 772 3 US-09-935-799A-2 Sequence 2, .3 772 3 US-09-935-799A-5 Sequence 5, | .3 775 3 US-09-882-227-112 Sequence 11 .3 779 4 US-10-382-122A-58796 Sequence 58 .3 779 4 US-10-353-929-49 Sequence 49 | .3 816 3 US-09-815-242-11849 Sequence 11 .3 816 4 US-10-282-12524-65323 Sequence 65 81 6 US-11-097-143-38319 Sequence 38 | .3 836 4 US-10-108-260A-3700 Sequence 37 .3 863 4 US-10-443-108-6 Sequence 6, 3 864 4 US-10-443-194975 Sequence 6, | 3 900 5 US-10-450-763-50565 Sequence 500.3 932 4 US-10-425-115-330983 Sequence 330 | .3 935 5 US-10-732-923-19249 Sequence 195 .3 11003 5 US-10-732-923-22128 Sequence 22: 1 103 5 US-10-732-933-22128 Sequence 22: | 3 1032 5 US-10-975-909-37 Sequence 38: | .3 1041 3 US-09-168-978-3 Sequence 3, .3 1041 3 US-09-978-295A-498 Sequence 499 | .3 1041 3 US-09-978-697-498 Sequence 496 .3 1041 3 US-09-978-192A-498 Sequence 496 | .3 1041 3 US-09-999-832A-498 Sequence 490 .3 1041 3 US-09-978-189-498 Sequence 490 | .3 1041 3 US-09-978-608A-498 Sequence 499 .3 1041 3 US-09-978-585A-498 Sequence 499 | .3 1041 3 US-09-978-191A-498 Sequence 496 .3 1041 3 US-09-978-403A-498 Sequence 496 | .3 1041 3 US-09-978-564A-498 Sequence 496 | 3 1041 3 US-09-981-915A-498 Sequence 499 | .3 US-09-918-585A-498 Sequence 498 | .3 1041 3 US-09-999-834A-498 sequence 490 .3 1041 3 US-09-978-423A-498 Sequence 490 | .3 1041 3 US-09-978-193A-498 Sequence 496 .3 1041 3 US-09-999-830A-498 Sequence 496 | 3 1041 3 US-09-978-757A-498 Sequence 496 | .3 1041 3 US-09-954-987B-184 Sequence 186 .3 1041 3 US-09-954-987B-186 Sequence 186 |

| .rapbm |
|-----------|
| Ď. |
| Д |
| ल |
| н |
| • |
| |
| 8 |
| ٠Ă |
| ä |
| <u>``</u> |
| ٧ |
| |
| 4. |
| |
| 55 |
| Φ |
| |
| 20- |
| 0 |
| 9 |
| 0 |
| |
| 0 |
| н |
| |
| ä |
| 3 |
| _ |
| |

| | 349, | 122 | 1874 | , w w | 3 5 | äH | H 4 | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|--|--|--|---|--|---|--|--|---|---|--|--|---|---|--|--|--|---|--|--|--|---|---|---|---|---|---|
| Sequence Sequence Sequence Sequence Sequence Sequence | Seque | Seque | Seque | Seque | Seque | Seque | Seque | Segue | Seque | Segue | Seque | Segue | enbes Sedne Sedne | Seque | Seque | Sequence | Seque | Seque | Seque | Segue | Seque | Seque | Seque | Seque | Sedue | entes | Seque | Seque | Seque | Seque |
| US-10-225-567A-1801 US-10-163-499-30 US-10-742-379-370 US-10-742-379-37 US-10-163-499-21 | US-10-296-734-347 US-10-296-734-349 US-10-772-656-30 US-10-742-469-105 | US-10-742-469-204 US-10-081-816-113 | US-10-029-386-28051 US-10-424-599-187444 US-10-425-115-212591 | US-09-892-877-396 US-09-948-783-396 | US-10-789-433-16 US-10-425-115-333127 | US-10-424-599-165393 US-10-001-876-172 | US-10-424-599-157279 US-10-724-972A-4884 | US-09-864-761-38034 US-10-425-115-273429 | US-10-424-599-242024 US-09-864-761-39637 | US-10-424-599-199029 US-10-425-115-335839 | US-10-437-963-170873 US-10-425-115-221641 | US-10-425-115-302533 US-10-450-763-51857 US-09-971-980-37 | US-10-425-115-217709 US-10-966-576-37 | US-09-864-761-42357 US-09-864-761-42548 | US-10-424-599-153078 US-10-424-599-198617 US-10-767-701-555-5 | US-10-425-115-258283 | US-10-425-115-361164 US-10-106-698-4394 US-10-029-386-29723 | US-10-424-599-237313 US-10-424-599-217313 US-10-424-599-257902 | US-10-193-477-54 US-10-424-599-193577 | US-10-767-701-60492 | US-10-425-115-207045 US-10-106-698-8154 | US-10-316-175-69 US-10-425-115-223646 | US-09-764-891-3569 | US-10-424-555-185788 US-10-767-701-49355 US-10-426-115-316626 | US-10-429-113-313623 US-10-450-763-55340 | US-10-080-170-372 | US-10-424-599-259532 US-10-080-170-305 | US-10-080-170-372 US-10-767-701-49872 | US-10-468-356-305 US-10-468-356-372 | US-10-425-115-206499 US-10-425-115-359228 |
| 0 | 0045 | . ~ ~ | m 10 to | | | 0 -4 | | ~ ~ | | | | 0100 | . ~ ~ | | | | a | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9 90 | 9 9 9 | 9 9 | 99 | 99 | 99 | 99 | 99 | ω ω ι | 900 | ο φ φ | φφ | 6 60 0 | 6 6 9 | 9 9 9 | ω ω ω | . . | 9 49 69 | 999 | 9 49 4 | . | ·ω·· | o w | owo | φ α | ω ω | φφ | 99 | ம் மு |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 613 615 615 616 616 616 616 | | | 624 625 625 | 627 627 628 | 629 630 | 631 | 6 3 3 | 635 636 | 637 | 639 640 | 642 | 0 0 0 4 4 4 2 4 ሺ | 646 | 648 849 | 650 | 653 45.4 | 655 656 656 | 658 | 660 661 | 662 | 664 | 666 | 868 | 670 | 672 | 674 | 675 676 | 677 678 | 679 | 681 682 |
| | | | 624 | 627 | 629 | 632 | 633 | 635 636 | 637 | 639 | 642 | 6 6 6 6 4 4 6 6 4 4 6 | 646 | 648 649 | 650 | 0.00 0 0.00 0.00 0.00 0.00 0.00 0.00 0 | 655 | 9 6 6 | 660 | 662 | . 49 A | 999 | 899 | 670 | 642 | 674 | 675 676 | . 678 | 679 | 682 |
| 498, App 498, App 498, App 615 498, App 616 617 600, App | 498, App 618 498, App 619 186, App 620 186, App 621 | 498, App 622 9, Appli 623 | 189, App 9, Appli 9 Appli | 75, Appl 20, Appl | 7, App | 30, Appl 187, App | 49254, A 50564, A | 52088, A 17, Appl | 8337, Ap 548, App | 53077, A 126381, | 5, Appil 5226, Ap | 108, App 11742, A 168. App | 20601, A 14011, A | 1, Appli 14010, A | 2991, Ap 10435, A 6 ann 1 | 98, Appl 34, Appl | 98, Appl 43, Appl 34 Appl | 34, Appl 34, Appl 34, Appl | 34, Appl 34, Appl | 98, Appl 250, App | 231, Appl 431, Appl | 431, App 431, App | 431, App | 550, App 250, App 51 App | 51, Appl 11, Appl | 2//, App 34, Appl | 43, Appl 29, Appl | 101, App 25, Appl | 25, Appl 713, App | |
| 498, App 498, App 498, App 615 498, App 616 617 600, App | 498, App 618 498, App 619 186, App 620 186, App 621 | 498, App 622 9, Appli 623 | 189, App 9, Appli 9 Appli | 75, Appl 20, Appl | equence 187, App equence 30, Appl | 30, Appl 187, App | equence 49254, A | equence 52088, A equence 17, Appl | 37, Ap 8, App | equence 53077, A equence 126381, | 5, Appil 5226, Ap | 108, App 11742, A 168. App | 20601, A 14011, A | 1, Appli 14010, A | 2991, Ap 10435, A 6 ann 1 | | 98, Appl 43, Appl 34 Appl | 34, Appl 34, Appl 34, Appl | 34, Appl 34, Appl | 98, Appl 250, App | 231, Appl 431, Appl | 431, App 431, App | 431, App | Sequence 20, App | 51, Appl 11, Appl | 2//, App 34, Appl | 43, Appl 29, Appl | 101, App 25, Appl | 25, Appl 713, App | se 826, App se 31, Appl |
| Sequence 498, App 613 Sequence 498, App 614 Sequence 498, App 615 Sequence 498, App 615 Sequence 498, App 616 | Sequence 498, App 618 Sequence 189, App 619 Sequence 186, App 620 Sequence 186, App 621 | Sequence 498, App 622 Sequence 9, Appli 623 | Sequence 189, App Sequence 9, Appli Sequence 9, Appli | Sequence 75, Appl Sequence 20, Appl | Sequence 187, App Sequence 30, Appl | Sequence 30, Appl Sequence 187, App | Sequence 49254, A Sequence 50564, A | Sequence 52088, A Sequence 17, Appl | Sequence 8337, Ap Sequence 548, App | Sequence 53077, A Sequence 126381, | Sequence 5, App.1 Sequence 5226, Ap | sequence 11742, App Sequence 11742, A Sequence 168, App | Sequence 2061, A Sequence 14011, A | Sequence 1, Appli Sequence 14010, A | Sequence 10435, A Sequence 10435, A Sequence 10435, A | Sequence 98, Appl | Sequence 98, Appl Sequence 43, Appl Sequence 34 appl | Sequence 34, Appl | Sequence 34, Appl | Sequence 98, Appl | Sequence 21, Appl | Sequence 431, App Sequence 431, App | Sequence 431, App | Sequence 20, App | Sequence 31, Appl | Sequence 2//, App Sequence 34, Appl | Sequence 43, Appl Sequence 29, Appl | Sequence 101, App Sequence 25, Appl | Sequence 25, Appl Sequence 713, App | Sequence 826, App Sequence 31, Appl |
| 5-152-388B-498 Sequence 498, App 613 5-918-818-81-498 Sequence 498, App 614 Sequence 498, App 615 5-897-359-498 Sequence 498, App 615 5-897-359-498 Sequence 498, App 617 5-897-3602-498 Sequence 498, App 617 | 5-597-500-498 Sequence 498, App 618 5-165-0364-498 Sequence 498, App 619 6-1084-777-184 Sequence 184, App 620 Sequence 186, App 621 | -129-762-498 Sequence 498, App 623 -920-267C-9 Sequence 9, Appli 623 | 7-211-462-189 Sequence 189, App Sequence 9, Appli 7-769-565-9 Sequence 9, Appli | 3-484-568-75 Sequence 75, Appl 3-482-029-20 Sequence 20, Appl | 9-954-987B-187 Sequence 187, App 9-407-952-30 Sequence 30, Appl |)-753-267-30 Sequence 30, Appl Sequence 187, App | -450-763-49254 Sequence 49254, A |)-282-122A-52088 Sequence 52088, A)-433-794-17 Sequence 17, Appl | -097-143-8337 Sequence 8337, Ap -755-889-548 Sequence 548, App | 1-450-763-53077 Sequence 53077, A 447-963-126381 Sequence 126381, | 7-490-392-5 Sequence 5. App. Sequence 5.26 Sequence 5.26, Ap | | -732-923-20601 Sequence 20601, FF | -205-194-1 Sequence 1, Appli 3732-923-14010 Sequence 14010, A | 1-408-765A-2991 Sequence 2991, Ap 1-16-761-10435 Sequence 10435, A 1-784-8468.6 Sequence 10435, A | -891-823-98 Sequence 98, Appl | -365-908-98 Sequence 98, Appl -360-936-43 Sequence 43, Appl -653-654-34 Sequence 34 Inpl | -833-439-34 Sequence 34, Appl -833-439-34 Sequence 34, Appl | -833-744-34 Sequence 34, Appl -686-943-34 Sequence 34, Appl | -871-138-98 Sequence 98, Appl -894-018-250 Sequence 250, Appl | -360-836-21 Sequence 21, Appl -371-525-431 Sequence 431, Appl | -371-069-431 Sequence 431, App -371-645-431 Sequence 431, App | -371-260-431 Sequence 431, App -424-9558-50 Sequence 50 annl | -41-550 Sequence 250, App | -302-314-31 Sequence 31, Appl | -101-791-27) Sequence 2//, App -229-751A-34 Sequence 34, Appl | -229-751A-43 Sequence 43, Appl -772-656-29 Sequence 29, Appl | -772-656-101 Sequence 101, App -091-724-25 Sequence 25, Appl | -431-048-25 Sequence 25, Appl -865-478-713 Sequence 713, App | -865-478-826 Sequence 826, App -165-499-31 Sequence 31, Appl |
| US-10-152-388B-498 Sequence 498, App 613 US-10-918-851-498 Sequence 498, App 614 US-10-805-667-498 Sequence 498, App 615 US-10-897-359-498 Sequence 498, App 616 US-10-897-359-498 Sequence 498, App 617 US-10-897-360-498 Sequence 498, App 617 | US-10-09/-380-498 Sequence 498, App 618 US-10-165-036A-498 Sequence 498, App 619 US-11-084-777-184 Sequence 184, App 620 US-11-084-777-186 Sequence 186, App 621 | US-11-129-762-498 Sequence 498, App 622 US-09-920-267C-9 Sequence 9, Appli 623 | US-10-211-462-169 Sequence 19, App US-10-720-323-9 Sequence 9, Appli US-10-769-565-9 Semmence 9 Appli | US-10-484-568-75 Sequence 75, Appl US-10-482-029-20 Sequence 20, Appl | US-09-954-987B-187 Sequence 187, App US-10-407-952-30 Sequence 30, Appl | US-10-753-267-30 Sequence 30, Appl US-11-084-777-187 Sequence 187, App | US-10-450-763-49254 Sequence 49254, A US-10-450-763-50564 Sequence 50056, A | .US-10-282-122A-52088 Sequence 52088, A US-10-433-794-17 Sequence 17, Appl | US-11-097-143-8337 Sequence 8337, Ap US-10-755-889-548 Sequence 548, App | US-10-450-763-53077 Sequence 53077, A US-110-437-963-126381 Sequence 126381, rrc-10-460 eo. e. Common 126381, rrc-10-460 eo. e. comm | US-10-490-5926 Sequence 5226, Ap TIC-10-610-641-100 Sequence 5226, Ap | us-10.016-241.400 Sequence 108, App US-11-097-143-11742 Sequence 11742, A US-10-093-463-168 Semience 168 App | US-10-732-923-20601 Sequence 20601, A US-10-732-923-14011 Sequence 14011, A | US-10-205-194-1 Sequence 1, Appli US-10-732-923-14010 Sequence 14010, A | US-10-408-765A-2991 Sequence 2991, Ap US-10-156-761-10435 Sequence 10435, A US-10-084-8468-6 Sequence 10435, A | US-09-891-823-98 Sequence 98, Appl US-10-079-167-34 Sequence 34, Appl | US-10-365-908-98 Sequence 98, Appl US-10-360-836-43 Sequence 43, Appl US-10-653-624-34 Seminance 34 Appl | US-10-833-433-434 Sequence 34, Appl US-10-833-433-434 Sequence 34, Appl US-10-833-745-34 Semience 34, Appl | US-10-833-744-34 Sequence 34, Appl US-10-686-943-34 Sequence 34, Appl | US-10-871-138-98 Sequence 98, Appl US-09-894-018-250 Sequence 250, Appl | US-10-360-836-21 Sequence 21, Appl US-10-371-525-431 Sequence 431, Appl | US-10-371-069-431 Sequence 431, App US-10-371-645-431 Sequence 431, App | US-10-371-260-431 Sequence 431, App. | US-10-474-9504-250 Sequence 250, App. | US-10-103-499-11 Sequence 11, Appl | US-09-229-751A-34 Sequence 34, Appl | US-229-751A-43 Sequence 43, Appl US-10-772-656-29 Sequence 29, Appl | US-10-772-656-101 Sequence 101, App US-10-091-724-25 Sequence 25, Appl | US-10-431-048-25 Sequence 25, Appl US-10-865-478-713 Sequence 713, App | US-10-865-478-826 Sequence 826, App US-10-163-499-31 Sequence 31, Appl |
| 041 5 US-10-152-388B-498 Sequence 498, App 613 045 5 US-10-918-851-498 Sequence 498, App 614 041 5 US-10-805-667-498 Sequence 498, App 615 041 5 US-10-897-359-498 Sequence 498, App 616 041 5 US-10-897-3859-498 Sequence 498, App 617 041 5 US-10-897-3802-498 Sequence 498, App 617 041 5 US-10-897-3802-498 Sequence 498, App 617 | 518 Sequence 498, App 618 618 619 619 619 619 619 619 619 619 619 619 | 041 6 US-11-129-762-498 Sequence 498, App 623 048 3 US-09-920-267C-9 Sequence 9, Appli 623 | 048 4 US-10-ZII-46Z-189 Sequence 189, App 048 4 US-10-720-323-9 Sequence 9, Appli 048 5 US-10-769-565-9 Sequence 9, Appli | 048 5 US-10-484-568-75 Sequence 75, Appl 048 5 US-10-482-029-20 Sequence 20, Appl | 059 3 US-09-954-987B-187 Sequence 187, App 059 4 US-10-407-952-30 Sequence 30, Appl | 059 5 US-10-753-267-30 Sequence 30, Appl | U61 5 US-10-450-763-49254 Sequence 49254, A | 144 4 'US-10-282-122A-52088 Sequence 52088, A 345 4 US-10-433-794-17 Sequence 17, Appl | 405 6 US-11-097-143-8337 Sequence 8337, Ap 556 4 US-10-755-889-548 Sequence 548, App | 585 5 US-10-450-763-53077 Sequence 53077, A 332 4 US-10-457-963-126381, Sequence 126381, 503 5 FE-10-400 500 5 FE-10-400 5 | 135 5 US-10-49U-59Z-5 Sequence 5, Appli 230 6 US-10-756-149-52Z6 Sequence 5.2Z6, Ap | 240 4 US-11-091-241-100 Sequence 108, App 280 6 US-11-097-143-11742 Sequence 11742, A 234 4 US-10-093-463-168 Sequence 168, App | 554 5 US-10-732-923-20601 Sequence 20601, F. 106 5 US-10-732-923-14011 Sequence 14011, A | 128 4 US-10-205-194-1 Sequence 1, Appli 144 5 US-10-732-923-14010 Sequence 14010, A | 624 4 US-10-408-165A-2291 Sequence 2991, Ap 840 4 US-10-156-761-10435 Sequence 10435, A 662 4 HS-10-084-8468-6 Sequence 10435, A | 8 3 US-09-891-823-98 Sequence 98, Appl 8 4 US-10-079-167-34 Sequence 34, Appl | 4 US-10-365-908-98 Sequence 98, Appl 4 US-10-360-836-43 Sequence 43, Appl 4 US-10-543-674-34 Sequence 34 Appl | 4 US-10-833-439-34 Sequence 34, Appl 4 US-10-833-745-34 Sequence 34, Appl | 4 US-10-833-744-34 Sequence 34, Appl 4 US-10-686-943-34 Sequence 34, Appl | 5 US-10-871-138-98 Sequence 98, Appl 3 US-09-894-018-250 Secuence 250, App | 4 US-10-360-86-21 Sequence 21, Appl 4 US-10-371-525-431 Sequence 431, App | 4 US-10-371-069-431 Sequence 431, App 4 US-10-371-645-431 Sequence 431, App | 4 US-10-371-260-431 Sequence 431, App 4 HS-10-474-9551-50 Sequence 50 and | 5 US-10-474-960A-250 Sequence 250, App. 5 US-110-982-514-51 Sequence 51 App. | 4 US-10-163-499-11 Sequence 11, Appl | 3 US-09-229-751A-34 Sequence 34, Appl | 3 US-09-229-751A-43 Sequence 43, Appl 4 US-10-772-656-29 Sequence 29, Appl | 4 US-10-772-656-101 Sequence 101, App 4 US-10-091-724-25 Sequence 25, Appl | 4 US-10-431-048-25 Sequence 25, Appl 5 US-10-865-478-713 Sequence 713, App | 5 US-10-865-478-826 Sequence 826, App 4 US-10-163-499-31 Sequence 31, Appl |
| 041 5 US-10-152-388B-498 Sequence 498, App 613 045 5 US-10-918-851-498 Sequence 498, App 614 041 5 US-10-805-667-498 Sequence 498, App 615 041 5 US-10-897-359-498 Sequence 498, App 616 041 5 US-10-897-3859-498 Sequence 498, App 617 041 5 US-10-897-3802-498 Sequence 498, App 617 041 5 US-10-897-3802-498 Sequence 498, App 617 | .3 1041 5 US-11-084-777-184 Sequence 184, App 618 .3 1041 6 US-11-084-777-184 Sequence 186, App 620 .3 1041 6 US-11-084-777-186 Sequence 186, App 621 | .3 1041 6 US-11-129-762-498 Sequence 488, App 622 .3 1048 3 US-09-920-267C-9 Sequence 9, Appli 623 | .3 1048 4 US-10-211-462-189 Sequence 189, App .3 1048 4 US-10-720-323-9 Sequence 9, Appli .3 1048 5 US-10-769-565-9 Semience 9 Appli | .3 1048 5 US-10-484-568-75 Sequence 75, Appl .3 1048 5 US-10-482-029-20 Sequence 20, Appl | .3 1059 3 US-09-954-987B-187 Sequence 187, App .3 1059 4 US-10-407-952-30 Sequence 30, Appl | 3 1059 5 US-10-753-267-30 Sequence 30, Appl | .3 1061 5 US-10-450-763-49254 Sequence 49254, A | .3 1144 4 US-10-282-122A-52088 Sequence 52088, A .3 1345 4 US-10-433-794-17 Sequence 17, Appl | .3 1405 6 US-11-097-143-8337 Sequence 8337, Ap | .3 1685 5 US-10-451-763-53077 Sequence 53077, A 1832 4 US-10-447-963-126381 Sequence 126381, | .3 2130 3 US-10-490-3226 Sequence 5226, Ap .3 2230 5 US-10-756-149-5226 Sequence 5226, Ap | .3 2280 6 US-11-097-143-1100 Sequence 11742, App .3 2284 6 US-11-097-143-11742 Sequence 11742, A .3 3234 4 US-110-093-463-168 Sequence 168. App | 3 3654 5 US-10-732-923-20601 Sequence 20601, A 4106 5 US-10-732-923-14011 Sequence 14011, A | 3 4128 4 US-10-205-194-1 Sequence 1, Appli 3 4144 5 US-10-712-923-14010 Sequence 14010, A | .3 46.24 4 US-10-408-/65A-2991 Sequence 2991, Ap3 4840 4 US-10-156-761-10435 Sequence 10435, A3 14662 4 IIC-110-084-8848-6 | 9 8 4 US-10-079-167-34 Sequence 34, Appl | 9 8 4 US-10-365-908-98 Sequence 98, Appl 9 8 4 IIS-10-5636-836-43 Sequence 43, Appl 9 8 4 IIS-10-653-634 Semionne 34 Appl | 9 8 4 US-10-833-439-34 Sequence 34, Appl 9 8 4 US-10-833-439-34 Semience 34 Appl | 9 8 4 US-10-833-744-34 Sequence 34, Appl 9 8 4 US-10-686-943-34 Sequence 34, Appl | 9 8 5 US-10-871-138-98 Sequence 98, Appl 9 9 3 US-09-894-018-250 Sequence 250, Appl | 9 9 4 US-10-360-836-21 Sequence 21, Appl 9 9 4 US-10-371-825-431 Sequence 41, Appl | 9 9 4 US-10-371-069-431 Sequence 431, App | 9 9 4 US-10-371-260-431 Sequence 431, App | 9 9 1 US-10-474-960A-250 Sequence 250, App | 9 10 4 US-10-193-499-11 Sequence 11, Appl | 12 3 US-09-229-751A-34 Sequence 34, Appl | 9 12 3 US-09-229-751A-43 Sequence 43, Appl 9 13 4 US-10-772-656-29 Sequence 29, Appl | 9 13 4 US-10-772-656-101 Sequence 101, App 9 14 4 US-10-091-724-25 Sequence 25, Appl | 9 14 4 US-10-431-048-25 Sequence 25, Appl 9 14 5 US-10-865-478-713 Sequence 713, App | 9 14 5 US-10-865-478-826 Sequence 826, App 9 15 4 US-10-163-499-31 Sequence 31, Appl |

| | Sequence 254027, Sequence 155, App Sequence 680, App Sequence 203494, | equence 18976 | equence 288 | equence 31800 equence 33726 | equence 625, equence 37553 | equence 41295, | equence 41755, equence 31533 | equence 201865, | equence 3089 | equence 1206, | equence 243 | equence 25565 equence 27958 | equence 31073 | equence 15339 | equence 1/035 equence 20064 | equence 50859 | equence 5480 | equence 32, equence 571 | equence 1783 | equence 2171 | equence 2693 equence 738. | equence 132, | equence 226, | equence 2138 equence 2637 | equence 3209 | equence 408 | equence 5518 | equence 532, | equence 116, equence 176. | equence 176, | equence 532, | equence 6152 | 176, | equence 116, | equence 295, | equence 5639 | equence zisio equence 21663 | equence 247011, | equence 295, Ap | equence 295, | equence 148403, | equence 2 | equence 30856 | equence 18726 | equence 18901 | equence 26823 equence 35815 | equence 22, A | equence 16591 | equence 16701 | equence 60 | equence 870, | |
|-----|---|------------------|---------------------|--------------------------------------|-------------------------------|------------------|---------------------------------|------------------|------------------|------------------|------------------|--------------------------------|------------------|------------------|--------------------------------|------------------|------------------|----------------------------|---------------------|-------------------|------------------------------|-------------------|-------------------|------------------------------|---------------------|-------------------|--------------------|-------------------|------------------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|---------------------|--------------------------------|---------------------|------------------|---|---------------------|------------------|--|---------------------|---------------------|--------------------------------|------------------|--------------------|--------------------|---|--|---|
| | US-10-425-115-25402 US-10-482-706-155 US-10-220-335-680 US-10-424-599-20349 | US-10-437-963-18 | US-10-425-115-28822 | US-10-425-115-31 US-10-425-115-33 | US-10-856-499-625 | US-09-864-761-41 | US-09-864-761-41 | US-10-425-115-20 | US-10-425-115-30 | US-09-864-408A-1 | US-10-425-115-24 | US-10-425-115-25 | US-10-425-115-31 | US-10-437-963-15 | US-10-437-963-17 | US-10-767-701-50 | US-10-767-701-54 | US-10-772-656-32 | US-10-437-963-17837 | US-10-425-115-217 | US-10-425-115-26932 | US-10-319-763-132 | US-10-319-763-226 | US-10-425-115-21 | US-10-425-115-32099 | US-10-231-417-408 | US-10-501-282-5518 | US-09-925-302-532 | US-09-764-878-11 | US-09-438-486-17 | US-09-925-302-532 | US-09-864-408A-6 | US-10-054-295-17 | US-10-079-854-11 | US-10-325-810-295 | US-10-767-701-56397 | US-10-425-115-216 | US-10-425-115-24701 | US-10-877-124-29 | US-10-8//-022-29 | US-10-424-599-14840 | US-10-425-115-23 | US-10-425-115-261/8 US-10-425-115-30856 | US-10-437-963-18726 | US-10-425-115-18901 | US-10-425-115-26823 | US-11-035-703-22 | US-10-424-599-1659 | US-10-424-599-1670 | US-10-767-701-60576 TR-10-425-115-339525 | 0-856-499-870 | |
| | 4 4 4 5 7 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 | • | | | | | | • | | | • | | | • | | - | • | • | | | • | | • | | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 82 | |
| | 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | • | | | • | | | • | • . | | | • | | • | | | | |
| ! | . | . . | ο ω | യ യ | 6 6 | φ | ωų | φ | w v | o o | 91 | ωv | οo | 9 | ωv | ω | 91 | א, ס | ω | 9 | ωu | φ | 91 | ωv | φ | v v | • • | 91 | oυ | φ | 9 | w w | φ | 9 4 | oω | 91 | ט ע | ω. | ω. | ى م | 9 | ن و | ט פ | 9 | 9 1 | φų | 9 | 9 | ۰ ب | 9 4 | oφ | |
| , | 758 759 760 761 | 762 | 764 | 765 766 | 767 | 769 | 770 | 772 | | 775 | 776 | 777 | , 6// | . 780 | 781 | 783 | 784 | 785 | 787 | 788 | 789 | 791 | 792 | 793 | 795 | 796 | 798 | 799 | 800 | 802 | 803 | 804 805 | 806 | 807 | 808 | 810 | 811 | .813 | 814 | 816 | 817 | 818 | 818 | 821 | 822 | 823 | 8 25 4 | 826 | 827 | 828 | 829 830 | |
| | Sequence 1988, Ap Sequence 261642, Sequence 168, App Sequence 52767, A | 168, | 5700, | 168, 29775 | 21788 | ٠ - | Sequence 37221, A | ίÃ | H F | 4 7 | Ni i | กัด | 4 | Ä, | Sequence 204456, . | 2353 | 1827 | 1862 | Sequence 2554 | 34681 | ., 4 | . — | (,) | т п | , 177 | | 4 6 4 | | U1 F | 7 (1 | u, | | | 4. (| 4 1 | u, ı | _ ,, | | | * | | | | | 4. | w r | - · | | | equence 2 | Sequence 884, App Sequence 39721, A | • |
| | US-09-864-408A-1988 US-10-424-599-261642 US-10-621-401-168 US-10-767-701-52767 | -30 | -86 | -81 | 1-42 | -11 | -86 | -42 | -42 | 142 | -37 | 142 | -68 | 98-6 | -42 | -42 | 1-42 | 1-424-599-186231 | 1-424-599-255461 | 92-0 | -42 | -43 | 1-26 | -43 | -42 | -42 | 42 | -42 | -83 | -42 | 09- | -42 | -42 | 92-(| -42 | -45 | 4.2 | 94- | -42 | - 36 | -36 | -42 | -42 | -42 | 98- | -45 | 1-42 | -42 | -45 | 60 | 92-1 | • |
| | 55888 88888 8444 | ത | י פי | ח פ | o 0 | ຸດ | 00 | | -4 - | | m . | | | 0 | N 6 | 1 m | | שי <i>כ</i> | • = | 4 | 47° U | 'n | 9 | u u | o w | ~ 1 | | _ | co a | D 00 | 80 | œ o | | o 0 | ע ע | σ. | | | ٥, | -1 r- | 11 | | - | | ~ | ~ . | ~ · | m | m | m • | | |
| . ; | 0 0 0 0 0 0 0 0 | 900 | 901 | 2, C) 2, Q, | 0. C | . c | 0, 0 0, 0 | . 6 | 0.0 | N 64 | 2.9 | 0, C | 4 K | 2.9 | 0, C | . 6. | 5.9 | 0, c | 2.0 | 2.9 | 2.0 | . 6. | 2.9 | 0, 0 0, 0 | 9 67 | 9.0 | , c | 5.0 | 0, C | 4 C4 | 6.2 | 0.0 | . 6 | 0.0 0.0 | , c, | 2.9 | ω. σ. σ | 2 6 | 9.0 | | 2.6 | 2.0 | 0, c | . 6. | 2.9 | 0, 0 0, 0 | , c | 2.6 | 2.9 | 0, C | 2, C. | |
| | . | 9 9 | ישי | o o | φų | φ | ωv | φ | 6 | o o | 9 | ωv | o vo | 9 | y y | o vo | 9 | vo v | 9 | 9 | 9 4 | φ | 9 | ωv | φ | 6 | 9 | 9 | 6 4 | oφ | 9 | φų | φ | φ (| o vo | 9 | 9 4 | φ | φι | υQ | w | 9 1 | י פ | φ | 9 | φ. | ש ס | 9 | 9 | ω (| oφ | |

| | ance 317 ance 440 ance 556 ance 375 | ance ance | on ce | o co | equence equence equence | a) a) a) a) | equence equence equence | Sequence 13416, A Sequence 127435, Sequence 185181, Sequence 315716. | equence equence equence | | equence equence equence | equence equence | equence | equence : | equence | equence 1501 equence 2318 | equence 25823 equence 27444 | equence 20303 equence 31250 equence 625 | equence 023, A equence 186019 equence 191681 | equence 264 | 60 |
|--|--|---|---|---|---|---|---|---|--|---|---|---|---|---|--|------------------------------|--|---|--|--------------------------------|---|
| US-10-425-115-346249 US-10-733-878-17 US-10-291-128-66 US-10-601-072-17 US-10-424-599-2037-99-433-203737 US-10-789-433-2037 | US-0 US-0 US-0 US-1 | US-1 US-1 US-1 US-1 | US-1 US-1 US-1 | US-1 | US-1 US-1 US-1 | US-0 US-1 US-1 | US-1 US-1 US-1 | US-1 US-1 US-1 | US-1 US-0 US-1 | US-1 US-1 US-1 | US-10-425-115-219244 US-10-425-115-258849 US-09-892-877-395 | US-10-424-599-244418 US-09-864-761-35513 | US-10-108-260A-2516 US-10-437-963-150717 | US-10-425-115-21/292 US-09-864-408A-336 US-10-108-260A-3027 | US-10-424-599-165553 US-10-424-599-244417 | S-1-2 | US-10-425-115-258236 US-10-425-115-274442 US-10-425-115-280669 | S-1-8 | 977 | 구구 | -10-732-923-145 -10-450-763-559 -10-131-487A-86 |
| 4 10 10 10 10 10 10 10 10 10 10 10 10 10 | | | | | | | | | | | 106 4 100 4 4 100 4 4 100 3 | 107 4 | | | | | | | | | 1111 5 |
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | | | | | | | | | | | | | | | | | | |
| νουουουο | • | | | | • | | | | | | | | | | | | | | | | |
| 000 000 000 000 000 000 000 000 000 00 | 912 | . 9119 | 922 | | | 227 233 240 250 250 250 250 | 938 | 940 941 942 942 | 944 945 | 947 948 948 | 9999 | 9 9 9 9 9 5 8 4 9 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 956 | 8 6 9 6 6 9 6 | 961 | 96.9 | 965 | 996 | 970 | 972 | 974 975 976 |
| Sequence 1672, Ap Sequence 1672, Ap Sequence 240605, Sequence 342983, Sequence 764, App Sequence 778, App | Sequence 63272, A Sequence 233489, Sequence 251583, Sequence 131735, Sequence 137137, Sequence 137137, | Sequence 2771, A Sequence 25552, A Sequence 1151, Ap Sequence 237557, | Sequence 196500, Sequence 47257, A Sequence 508, App Sequence 313802, | Sequence 330, App Sequence 508, App Sequence 508, App | Sequence 508, App Sequence 228763, Sequence 258669, Sequence 280393, | Sequence 35005/, Sequence 35657, A Sequence 749, App Sequence 112, App | Sequence 216118, Sequence 324736, Sequence 834, App | Sequence 190397, Sequence 284820, Sequence 186407, Sequence 135, App | Sequence 178818, Sequence 509, App Sequence 135, App | Sequence 509, App Sequence 509, App Sequence 509, App | 135, | 213, | | 507, | | 000 | 380 | 5050 | 17, 66, | 2548 2732 | Sequence 120423, Sequence 188481, Sequence 249148 |
| | 2-1224-031/2 4-599-233489 4-599-251583 7-963-131735 5-115-197137 | 57-701-38309 57-701-55652 59-762-1151 | 37-963-196500 67-701-47257 93-057-508 25-115-313802 | 898-494-490 893-056-508 840-723-508 871-602-508 | 971-679-508 425-115-228763 425-115-258669 425-115-280393 | *25-115-36005/ 450-763-35657 925-297-749 814-777A-112 | 425-115-216118 425-115-324736 833-245-834 | 425-115-190397 424-599-284820 425-115-186407 317-832-135 | 137-963-178818 593-057-509 733-878-135 | 593-056-509 340-723-509 371-602-509 | 9/1-6/9-509 601-072-135 846-091-10 | 050-902-213 050-898-213 | 125-114-61983 296-115-935 767-701-47131 | 8,-,01-4,131 93-057-507 25-115-276753 | 56-499-2274 93-056-507 | 40-723-507 71-602-507 | /1-6/9-50/ 54-761-38970 54-761-47485 | 57-701-50501 57-115-300751 | 17-832-17 10-145-66 | 24-599-254838 24-599-273213 | 37-963-120423 37-963-188481 25-115-249148 |
| US-09-76 US-10-24 US-10-42 US-10-42 US-09-86 US-09-86 | US-10-42 US-10-42 US-10-43 US-10-42 US-10-42 | US-10-76 US-10-76 US-10-28 | US-10-4 US-10-7 US-10-6 US-10-4 | US-10-0 | US-10-1 | US-10-10-10-10-10-10-10-10-10-10-10-10-10- | US-10-1 | US-10-4 US-10-4 US-10-4 | US-10-(US-10-(US-10- | US-10-6 US-10-6 US-10-6 | US-10- US-10- US-09- | US-10-(| US-10-2 US-10-2 | US-10-6 US-10-6 US-10-4 | US-10-8 US-10-6 | US-10-8, US-10-8 | US-09-80 | US-10-76 | US-10-3 | US-10-4 US-10-4 | US-10-4 US-10-4 US-10-4 |
| w 4 4 4 4 w w 4 | 4 4 4 4 4 W | 4 4 4 4 4 · | 4 4 4 4 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | . 4 4 4 4 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 3 0 8 8 0 8 8 0 8 | 4 4 US 3 4 US | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 US 5 US | 2 0 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 33 03 6 | 4 4 US | 4 4 US | 4 4 US | s us | 5 03 | 0 E E | 4 US 4 | 4 4 4 5 | 4 US | 4 4 US |
| 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2000 2000 2000 2000 2000 2000 2000 200 | 90 90 90 90 90 90 90 90 90 90 90 90 90 9 | 90 90 90 90 90 90 90 90 90 90 90 90 90 9 | 99 99 99 99 99 99 99 99 99 99 99 99 99 | 9 92 5 US 9 93 3 US 9 93 3 US | 9 93 4 US 9 93 4 US 9 94 3 US | 94 4 US 99 95 4 US 9 95 4 US 9 96 4 US | 9 96 4 US 9 96 4 US 9 96 5 US | SD 5 96 6 88 8 96 8 8 96 8 96 8 96 8 96 8 | 9 96 5 US | 97 4 US | 9 97 4 US 9 97 4 US 9 97 4 US | 9 97 4 US 9 97 4 US | 9 97 5 US | 9 97 5 US 9 97 5 US | 98 3 US | 99 98 4 US | 99 4 US 99 4 US | 9 4 US 9 4 US | 9 99 4 US 9 99 4 US 9 99 4 US |
| 8 8 8 8 8 9 8 8 8 9 9 9 9 9 9 9 9 9 9 9 | 2.9 888 4.05 2.9 888 4.05 2.9 888 4.05 2.9 888 4.05 2.9 88 4.05 | 20.22.23.00.00.00.00.00.00.00.00.00.00.00.00.00 | 2.9 90 4 08 2.9 2.9 90 4 4 08 2.9 90 4 4 08 2.9 90 4 08 2.9 90 4 08 2.9 90 5 18 18 18 18 18 18 18 18 18 18 18 18 18 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 2.9 91 4 US 2.9 92 4 US 2.9 92 4 US | 2.9 92 5 US 2.9 93 3 US 2.9 93 3 US | 2.9 93 4 US 2.9 93 4 US 2.9 94 3 US | 2.9 95 4 US 2.9 95 4 US 2.9 95 4 US 2.9 96 4 US | 2.9 96 4 US 2.9 96 4 US 2.9 96 5 US | 2.9 96 5 US | 2.9 96 5 US 2.9 96 5 US 2.9 97 3 US | 2.9 97 4 US | 2.9 97 4 US 2.9 97 4 US 2 9 97 4 US | 2.9 97 4 US 2.9 97 4 US | 2.9 97 5 US 2.9 97 5 US | 2.9 97 5 US 2.9 97 5 US | 2.9 98 3 US | 2.9 98 4 US 2.9 98 4 US | 2.9 99 4 US 2.9 99 4 US | 2.9 99 4 US 2.9 99 4 US | 2.9 99 4 US 2.9 99 4 US 2.9 99 4 US |

```
61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDFEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDFEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGPPALPEPPGI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGGVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121 CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPGLPPALPEPPGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGOVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                    Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 15, Application US/09802154
; Sequence 15, Application US/09802154
; Publication NO. US20030105302A1
; GENERAL INFORMATION:
; APPLICANT: Itch, No. US20030105302A1uyuki
; APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN FGF-23 GENE AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: PP-17149.001/201130.409
; CURRENT APPLICATION NUMBER: US/09/802,154
; CURRENT FILING DATE: 2001-03-07
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSEQ for Windows Version 4.0
          Parent No. US20020082205A1
GENERAL INFORMATION:
APPLICANT: Itoh, WO. US20020082205A1uyuki
APPLICANT: Itoh, W. Wichael
ITLE OF INVENTION: HUMAN FGF-23 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
FILE REFERENCE: PP-17150.001/201130.40901
CURRENT APPLICATION NUMBER: US/09/801,968
CURRENT APPLICATION NUMBER: US/09/801,968
SOFTWARE: PRESSO ID NOS: 46
SOFTWARE: PRESSO FOR WINDOWS VERSION 4.0
                                                                                                                                                                                                                                                                                                                                      uery Match
Best Local Similarity 100.0%; Score 209; DB 3; L
Best Local Similarity 100.0%; Pred. No. 4.3e-185;
Matches 209; Conservative 0; Mismatches n.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 209; DB 3; L
Best Local Similarity 100.0%; Pred. No. 4.3e-185;
Matches 209; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 LAPQPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 15, Application US/09801968 Patent No. US20020082205A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LENGTH: 209
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-154-15
                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                              US-09-801-968-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 24, Application US/09822485
Patent No. US20020001825A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: No. US20020001825A1uyuki
TITLE OF INVENTION: No. US20020001825A1el Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 08035,0001-01000
CURRENT APPLICATION: NUMBER: US/09/822,485
CURRENT APPLICATION: 35
CURRENT FILING DATE: 2001-04-02
NUMBER OF SEQ ID NOS: 35
SEQ ID NOS: 35
SEQ ID NO 24
LENGTH: 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         59079, A
144, App
272339,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 LEIREDGTVGGAADQSPESILQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 LEIREDGIVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121 CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGI 180
                                                                                             7258, Ap
1902, Ap
144, App
170693,
                                                                                                                                                                                                                                                                                                            42, Appl
29826, A
127158,
129432,
60417, A
42, Appl
42, Appl
216824,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH 60
                                                                        Sequence 301751,
Sequence 7258, Ap
Sequence 1902, Ap
Sequence 144, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                 Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                           Sequence
Sequence
Sequence
                  Sequence
Sequence
Sequence
                                                                                                                                                      Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                        Sequence
Sequence
Sequence
  equence
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seguence
                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 209; DB 3; L
100.0%; Pred. No. 4.3e-185;
tive 0; Mismatches 0;
                                                US-10-425-115-263604
US-10-425-115-263604
US-10-425-115-301751
US-09-883-245-1902
US-10-251-085B-144
US-10-437-963-170693
US-10-737-252-144
US-10-737-252-144
US-10-437-963-115772
US-10-425-115-351293
US-10-425-115-351293
                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-967-851-42
US-10-424-599-216824
                                                                                                                                                                                                                                                                                                                                                                                                           US-10-965-357-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LAPQPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
JOURNAL: Biochim. Biophys. Acta
DATE: 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.9
Matches 209; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 2
US-09-801-968-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
```

9

9

Tue

us-10-060-765-4.oligo.rapbm

```
APPLICANT: Itoh, Nobuyuki
APPLICANT: Kavanaugh, W. Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
                                              Query Match
Best Local Similarity
    US-10-374-207-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-818-140-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-818-140-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-771-173-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181
                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                        181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 7
                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Itch, No. US20030170822Aluyuki
TITLE OF INVENTION: Fibroblast Growth Factor-Like Molecules and Uses Thereof
FILE REFRENCE: 08035.0001-02000
CURRENT APPLICATION NUMBER: US/10/374,207
CURRENT FILING DATE: 2003-02-25
PRIOR APPLICATION NUMBER: US 09/822,485
PRIOR APPLICATION NUMBER: US 09/822,485
PRIOR APPLICATION NUMBER: US 09/822,485
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin Ver: 2.0
SEQ ID NO 24
LENGTH: 209
121 CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPGLPPALPEPPGI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MDSDETGFEHSGLWVSVLAGLILGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDACOTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 209
                                                                                                                                                                                                                                                           APPLICANT: Itch, No. US20020164713Aluyuki
APPLICANT: Itch, No. US20020164713Aluyuki
APPLICANT: Kavanaugh, W. Michael
TITLE OF INVENTION: HUMAN FEP-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
FILE REFERENCE: PP-16758.001/201130.408
CURRENT APPLICATION NUMBER: US/10/060,765
CURRENT PILING DATE: 2002-01-29
PRIOR APPLICATION NUMBER: US/09/715,805
PRIOR FILING DATE: 2000-11-16
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FASELSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 209; DB 4; I
100.0%; Pred. No. 4.3e-185;
tive 0; Mismatches 0;
                                                                                   181 LAPOPPDVGSSDPLSMVGPSOGRSPSYAS 209
                                         181 LAPOPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LAPQPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LAPQPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 24, Application US/10374207
Publication No. US20030170822A1
GENERAL INFORMATION:
                                                                                                                                                                                               Sequence 4, Application US/10060765
Publication No. US20020164713A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PUBLICATION INFORMATION:
JOURNAL: Biochim. Biophys. Acta
DATE: 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches 209; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-374-207-24
                                                                                                                                                                            US-10-060-765-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-060-765-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 4
                           ·8
                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
```

```
61 LEIREDGTVGGAADQSPESLLOLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                     61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                              CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                  1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                              1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121 CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121 CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGI
                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA
                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 209;
  Length 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 4, Application US/10818140
| Publication No. US200401854941
| GENERAL INFORMATION:
| APPLICANT: Itch, Nobuyuki
| APPLICANT: Itch, Nobuyuki
| TITLE OF INVERTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
| TITLE OF INVERTION: PRODUCTS
| FILE REPERENCE: PP-16758.001/201130.408
| CURRENT APPLICATION NUMBER: US/10/818,140
| CURRENT FILING DATE: 2004-04-05
| PRIOR FILING DATE: 2000-11-16
                                                          0, Indels
Score 209; DB 4; L
Pred. No. 4.3e-185;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 209; DB 4; L
100.0%; Pred. No. 4.3e-185;
tive 0; Mismatches 0;
                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                           181 LAPQPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LAPOPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4, Application US/10771173; Publication No. US20050037457A1; GENERAL INFORMATION:
  100.0%;
100.0%;
                                                          Matches 209, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 100.
Matches 209; Conservative
```

```
GENERAL INCORANT: Zhong et al.

ITILE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOI FILE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOI FILE OF INVENTION NUMBER: 60/295,607

PRIOR PEDLICATION NUMBER: 60/295,601

PRIOR PELLING DATE: 2001-06-04

PRIOR PELLING DATE: 2001-06-04

PRIOR APPLICATION NUMBER: 60/296,418

PRIOR PELLING DATE: 2001-06-06

PRIOR PELLING DATE: 2001-06-06

PRIOR PELLING DATE: 2001-06-06

PRIOR PELLING DATE: 2001-06-12

PRIOR PELLING DATE: 2001-06-12

PRIOR PELLING DATE: 2001-06-14

PRIOR PELLING DATE: 2001-06-21

PRIOR PELLING DATE: 2001-06-26

PRIOR PELLING DATE: 2001-06-26

PRIOR PELLING DATE: 2001-06-26

REMINER APPLICATION NUMBER: 60/299,949

PRIOR PELLING DATE: 2001-06-26

PRIOR PELLING DATE: 2001-06-26

REMAINING PAPEL SOUT-06-14

PRIOR PELLING DATE: 2001-06-26

REMAINING PAPEL SOUT-06-26

REMAINING
                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPLPGLPPALPEPPGILAPQPP 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     67 GTVGGAADOSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFREL 126
                                                                                                                                                                                                                                                                                                                                                                                            67 GTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFREL 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               67 GTVGGAADQSPESILQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFREL 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 GFEHSGLWYSVLAGILLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIRED 66
                                                                                                                                                                                                              7 GFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIRED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 GFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIRED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7 GFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIRED
                                                                                                                                                Gaps
                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
97.1%; Score 203; DB 5; Length 209;
Best Local Similarity 100.0%; Pred. No. 1.6e-179;
Matches 203; Conservative 0; Mismatches 0; Indels
                                                                        Length 209
                                                                                                                                             0; Indels
                                                         97.1%; scc...
100.0%; Pred. No. 1...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                187 DVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 187 DVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 70, Application US/10559004
; Publication No. US20050048507A1
; GENERAL INFORMATION:
                                                                    Query Match
Best Local Similarity 100.
Matches 203; Conservative
       US-10-659-004-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-659-004-70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM:
                                                                                                                                                                                                                     $ · 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                          원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 68, Application US/10659004
Publication No. US20050048507A1
GENERAL INFORMATION:
THEREAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGPPALPEPPGI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/300,883
PRIOR FILING DATE: 2001-06-26
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION FITLE OF INVENTION: PRODUCTS
FILE REFERENCE: PP-16758.001/201130.408
CURRENT APPLICATION NUMBER: US/10/771,173
CURRENT APPLICATION NUMBER: US/09/715,805
PRIOR APPLICATION NUMBER: US/09/715,805
PRIOR FILING DATE: 2000-11-16
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 209; DB 5; L
Best Local Similarity 100.0%; Pred. No. 4.3e-185;
Matches 209; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181 LAPQPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LAPOPPDVGSSDPLSMVGPSOGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/659,004
CURRENT FILING DATE: 2003-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/295, 607
PRIOR FILING DATE: 2001-66-04
PRIOR FILING DATE: 2001-66-04
PRIOR FILING DATE: 2001-66-04
PRIOR PILING DATE: 2001-66-04
PRIOR APPLICATION NUMBER: 60/296, 404
PRIOR APPLICATION NUMBER: 60/297, 418
PRIOR PILING DATE: 2001-66-06
PRIOR APPLICATION NUMBER: 60/297, 418
PRIOR FILING DATE: 2001-66-11
PRIOR PILING DATE: 2001-66-11
PRIOR APPLICATION NUMBER: 60/297, 567
PRIOR APPLICATION NUMBER: 60/297, 567
PRIOR APPLICATION NUMBER: 60/298, 285
PRIOR PILING DATE: 2001-66-14
PRIOR APPLICATION NUMBER: 60/298, 285
PRIOR PILING DATE: 2001-66-15
PRIOR PILING DATE: 2001-66-15
PRIOR APPLICATION NUMBER: 60/298, 556
PRIOR PILING DATE: 2001-66-15
PRIOR APPLICATION NUMBER: 60/299, 949
PRIOR PILING DATE: 2001-66-15
PRIOR APPLICATION NUMBER: 60/299, 949
PRIOR PILING DATE: 2001-66-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 21402-608
                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
US-10-771-173-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 68
LENGTH: 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
```

```
APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Geriteen, Mary
APPLICANT: Godward, Audrey
APPLICANT: Godward, Paul J.
APPLICANT: Godward, Paul J.
APPLICANT: Godward, Paul J.
APPLICANT: Godward, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Saith, Victoria
APPLICANT: Saith, Victoria
APPLICANT: Saith, Victoria
APPLICANT: Saith, Victoria
APPLICANT: Matanab, Colin L.
APPLICANT: Matanab, Colin L.
APPLICANT: Matanab, Colin L.
APPLICANT: Matanab, Colin L.
APPLICANT: MATANAB, SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: PS530PL(79
CURRENT FILING DATE: 2002-04-09
FRIOR FILING DATE: 1997-09-17
PRIOR PLILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-28
PRIOR PLILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR PLILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PLILING DATE: 1997-12-17
PRIOR PLILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PLILING DATE: 1997-12-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  82 QLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHG 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  81 QLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPBACSFRELLLEDGYNVYQSEAHG 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPOPPDVGSSDPLSMVGPSQ 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            141 LPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVGPSQ 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21 LIGACQAHPIPDSSPLIQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22 LIGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPBSLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.2e-165;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
90.0%; Score 188; DB 3;
Best Local Similarity 100.0%; Pred. No. 1.2e-16
Matches 188; Conservative 0; Mismatches 0
                GENERAL INFORMATION:
APPLICANT: CONCLIN. Darrell C.
APPLICANT: Chen. Zhi
ITILE OF INVENTION: NOVEL FGF HOMOLOG ZFGF11
FILE REFERENCE: 00-03
CURRENT APPLICATION NUMBER: US/09/755,695
CURRENT APPLICATION NUMBER: US 60/174,526
FRIOR FILING DATE: 2001-05-11
PRIOR FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 208
TURE: PRT
ORGANISM: HOMO Sapiens
US-09-755-695-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 78, Application US/10227884 Publication No. US20030027988AI GENERAL INFORMATION:
Patent No. US20020081663A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         202 GRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      201 GRSPSYAS 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-227-884-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                          PUBLICANT: 2004-66

PUBLICANT: Zhong et al.

TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOL

FILE REFERENCE: 21402-608

CURRENT APPLICATION NUMBER: US/10/659,004

FILE REFERENCE: 21402-608

CURRENT FILING DATE: 2001-60-40

FRIOR PAPLICATION NUMBER: 60/295,61

FRIOR FILING DATE: 2001-66-04

FRIOR PELING DATE: 2001-66-04

FRIOR PELING DATE: 2001-66-04

FRIOR PELING DATE: 2001-66-05

FRIOR PELING DATE: 2001-66-12

FRIOR PELICATION NUMBER: 60/299,949

FRIOR PELING DATE: 2001-66-26

FRIOR APPLICATION NUMBER: 60/299,949

FRIOR FILING DATE: 2001-66-26

FRIOR APPLICATION NUMBER: 60/299,949

FRIOR FILING DATE: 2001-66-26

FROM ANDWERS OF SEC ID NOS: 187

FROM ANDWERS OF SEC ID NOS: 187
                                                                78 ESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQS 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  78 ESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQS 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            138 EAHGLPIHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPOPPDVGSSDPLSMV 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  138 EAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMV 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18 LAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18 LAGLILGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ·
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       91.9%; Score 192; DB 5; Length 209; 100.0%; Pred. No. 2.4e-169; tive 0; Mismatches 0; Indels
                                                                                                                                      RESULT 11
US-09-755-695-2
; Sequence 2, Application US/09755695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0
Matches 192; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            198 GPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
US-10-659-004-66
                                                                         a
                                                                                                                                          ò
                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
```

| • | | | · |
|--|---|---|--|
| 1998-03-2 NUMBER: 60 1998-03-2 NUMBER: 60 1998-03-2 NUMBER: 60 NUMBER: 60 1998-04-1 NUMBER: 60 1998-04-1 NUMBER: 60 NUMBER: 60 NUMBER: 60 | 1998-05-06 NUMBER: 60/0853 1998-05-13 NUMBER: 60/0853 1998-05-15 NUMBER: 60/0895 NUMBER: 60/0895 1998-06-17 NUMBER: 60/0895 1998-06-17 1998-06-17 1998-06-28 1998-06-29 1998-06-29 1998-06-29 1998-06-29 1998-06-29 NUMBER: 60/0905 | 1 1998-07-07 1 NUMBER: 60/095302 1 1998-08-04 1 NUMBER: 60/095318 1 1998-08-04 1 NUMBER: 60/095916 1 1998-08-10 1 1998-08-11 1 NUMBER: 60/096791 1 1998-08-17 1 NUMBER: 60/096791 1 1998-08-17 1 1998-08-17 1 1998-08-17 1 1998-08-26 1 1998-08-26 1 1998-08-27 1 NUMBER: 60/09596 1 1998-08-31 1 1998-09-31 1 1998-09-31 | NUMBER: 60 1998-09-1 1998-09-1 1998-09-1 NUMBER: 60 1998-09-1 NUMBER: 60 1998-09-1 NUMBER: 60 1998-09-1 NUMBER: 60 1998-09-1 NUMBER: 60 1998-09-1 NUMBER: 60 |
| DR FILING DATE OR APPLICATION OR FILING DATE OR APPLICATION OR PELING DATE OR APPLICATION OR FILING DATE OR APPLICATION OR RELING DATE OR APPLICATION OR PELING DATE OR PELING DATE OR PELING DATE OR APPLICATION OR APP | FILING DAT PAPLICATION PAPLICATION PAPLICATION FILING DATION FILING DATION PAPLICATION PAPLICATION PAPLICATION APPLICATION PILING DATION APPLICATION PILING DATION PELLING DATION PELLING PELLING PELLING DATION PELLING | PRIOR FILING DATE PRIOR APPLICATION PRIOR APPLICATION PRIOR APPLICATION PRIOR APPLICATION PRIOR PELING DATE PRIOR APPLICATION PRIOR PELING DATE PRIOR PELING DATE PRIOR APPLICATION PRIOR APPLICATION PRIOR APPLICATION PRIOR APPLICATION PRIOR APPLICATION PRIOR PELING DATE PRIOR APPLICATION PRIOR PELING DATE | APPLICATION TREATING DATA TRIPLING DATA TRIP |
| | | | |

PRIOR FILING DATE: 1998-09-17
PRIOR PELING DATE: 1998-09-23
PRIOR APPLICATION NUMBER: 60/101741
PRIOR APPLICATION NUMBER: 60/101741
PRIOR APPLICATION NUMBER: 60/101741
PRIOR PRIOR DATE: 1998-09-24
PRIOR PELING DATE: 1998-09-34
PRIOR PELING DATE: 1998-10-29
PRIOR PELING DATE: 1998-10-29
PRIOR PELING DATE: 1998-10-39
PRIOR PELING DATE: 1998-11-17
PRIOR PELING DATE: 1999-10-12
PRIOR PELING DATE: 1999-03-10
PRIOR PELING DATE: 1999-04-28
PRIOR PELING DATE:

```
R APPLICATION NUMBER: 60/069873
R FILING DATE: 1997-12-17
R PILING DATE: 1998-03-20
R APPLICATION NUMBER: 60/079294
R FILING DATE: 1998-03-25
R APPLICATION NUMBER: 60/079556
R APPLICATION NUMBER: 60/079556
R PILING DATE: 1998-03-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        R APPLICATION NUMBER: 60/082804

R FILING DATE: 1998-04-22

R APPLICATION NUMBER: 60/084441

R APPLICATION NUMBER: 60/085323

R APPLICATION NUMBER: 60/085323

R APPLICATION NUMBER: 60/085579

R APPLICATION NUMBER: 60/085579

R FILING DATE: 1998-05-15

R APPLICATION NUMBER: 60/08532

R APPLICATION NUMBER: 60/08532

R APPLICATION NUMBER: 60/089532

R APPLICATION NUMBER: 60/089538

R APPLICATION NUMBER: 60/089538

R APPLICATION NUMBER: 60/089538

R APPLICATION NUMBER: 60/089557

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/090691

R APPLICATION NUMBER: 60/090691

R APPLICATION NUMBER: 60/090691

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090691

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090691

R APPLICATION NUMBER: 60/090891

R APPLICATION NUMBER: 60/090891

R APPLICATION NUMBER: 60/09182

R APPLICATION NUMBER: 60/095302

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/095302

R FILING DATE: 1998-06-18

R FILING DATE: 1998-06-18

R FILING DATE: 1998-06-18

R FILING DATE: 1998-06-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          R PILING DATE: 1998-08-17
R APPLICATION NUMBER: 60/097986
R FILING DATE: 1998-08-26
R PILING DATE: 1998-08-31
R PILING DATE: 1998-08-31
R APPLICATION NUMBER: 60/099596
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/079728
FILING DATE: 1998-03-27
APPLICATION NUMBER: 60/081819
                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/081955
FILING DATE: 1998-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 1998-08-10
APPLICATION NUMBER: 60/096146
FILING DATE: 1998-08-11
APPLICATION NUMBER: 60/096791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/100390
                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1998-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1998-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LING DATE: 1998-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1998-09-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Geritleen, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Sathh, Victoria
APPLICANT: Sathh, Victoria
APPLICANT: Sathh, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: APPLICANT: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE REFERENCE: P3530PL096
CURRENT APPLICATION NUMBER: US/10/230,163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          QLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHG 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  141 LPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVGPSO 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVGPSQ 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 90.0%; Score 188; DB 4; Length 208; Best Local Similarity 100.0%; Pred. No. 1.2e-165; Matches 188; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT FILING DATE: 2002-08-28
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/145698
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR PELING DATE: 1999-07-26
PRIOR PELING DATE: 1999-07-28
PRIOR PELING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/146963
PRIOR APPLICATION NUMBER: 60/149320
PRIOR PELING DATE: 1999-08-17
PRIOR PELING DATE: 1999-08-17
PRIOR PELING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/151733
PRIOR APPLICATION NUMBER: 60/16418
PRIOR APPLICATION NUMBER: 60/16418
PRIOR PELING DATE: 1999-11-09
PRIOR PELING DATE: 1999-11-16
PRIOR PELING DATE: 1999-11-16
PRIOR PELING DATE: 1999-11-16
PRIOR PELING DATE: 1999-11-16
PRIOR PELING DATE: 1999-12-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 78, Application US/10230163
Publication No. US20030036635A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GRSPSYAS 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -10-230-163-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
```

```
LING DATE: 1999-03-13
PPLICATION NUMBER: 60/125775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ILING DATE: 1999-04-21
PPLICATION NUMBER: 60/131022
ILING DATE: 1999-04-26
PPLICATION NUMBER: 60/131270
                                                                                              PLICATION NUMBER: 60/101738
LING DATE: 1998-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PLICATION NUMBER: 60/108849
LING DATE: 1998-11-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CATION NUMBER: 60/119549
G DATE: 1999-02-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "FLING DATE: 1999-04-2,
APPLICATION NUMBER: 60/131291
APPLICATION 1999-04-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PLICATION NUMBER: 60/131445
LING DATE: 1999-04-28
PLICATION NUMBER: 60/134287
: 60/100848
                                                                                                                                CATION NUMBER: 60/101741
3 DATE: 1998-09-24
                                                                                                                                                                 CATION NUMBER: 60/101786
                                                                                                                                                                                                                                   PLICATION NUMBER: 60/101922
                                                                                                                                                                                                                                                                                                                                      CATION NUMBER: 60/106464 IG DATE: 1998-10-30
                                                                                                                                                                                                                                                                                                                                                                                     LING DATE: 1998-11-03
PLICATION NUMBER: 60/108787
LING DATE: 1998-11-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LING DATE: 1998-12-23
LICATION NUMBER: 60/113621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LICATION NUMBER: 60/115733
ING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                                                                                                                                                        ION NUMBER: 60/108801
ATE: 1998-11-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CATION NUMBER: 60/113296
                                                                                                                                                                               998-09-25
                                                                                                                                                                                                                                                                                                                      998-10-29
                                                                                                                                                                                                                                                   .998-09-24
                                                                                                                                                                                                                                                                                     1998-10-28
```

```
81 ÓLKALKPGVIÐILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHG 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          QLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHG 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVGPSQ 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21 LLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CANT: Wood, William I.
OP INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 90.0%; Score 188; DB 4; L
Best Local Similarity 100.0%; Pred. No. 1.2e-165;
Matches 188; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VI APPLICATION NUMBER: US/10/230,338
VI FILING DATE: 2002-08-28
APPLICATION NUMBER: 10/119,480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
FILING DATE: 1999-07-20
APPLICATION NUMBER: 60/145698
FILING DATE: 1999-07-26
APPLICATION NUMBER: 60/146222
FILING DATE: 1999-07-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 78, Application US/10230338 Publication No. US20030044934A1
                                                                                                                                        FILING DATE: 1999-08-03
APPLICATION NUMBER: 60/149320
                                                                                                                                                                                          FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/149638
                                                                                                                                                                                                                                           FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/151733
                                                                                                                                                                                                                                                                                                                                                                                                                                                               PLICATION NUMBER: 60/169495
                                                                                                                         APPLICATION NUMBER: 60/146963
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LE REFERENCE: P3530P1C92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        202 GRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               201 GRSPSYAS 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
```

```
81 QLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHPDPBACSFRELLLEDGYNVYQSEAHG 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               141 LPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVGPSQ 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         82 QLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHG 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21 LIGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             142 LPLHLPGNKSPHRDPAPRGPARFLPLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVGPSQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22 LLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL
                                                                                                                                                                                                                                                                                                                                                                                                                          Remaining Prior Application data removed - See File Wrapper or PAĹM NUNBER OF SEQ ID NOS: 246 SEQ ID NO 78 LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match 90.0%; Score 188; DB 4; L
Best Local Similarity 100.0%; Pred. No. 1.2e-165;
Matches 188; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Search completed: January 13, 2006, 17:39:47 Job time : 74 secs
                                                                                                  PRIOR FILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PLING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/06913
PRIOR RILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079656
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
                                                                      ATION NUMBER: 60/064103
DATE: 1997-10-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  202 GRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         201 GRSPSYAS 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo Sapien
US-10-218-631-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         82 QLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHG 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             81 QLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPBACSFRELLLEDGYNVYQSEAHG 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 LLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanaba, Jean-Philippe F.
APPLICANT: Watanaba, Colin L.
APPLICANT: Watanaba, Jean-Philippe F.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERBNCE: 195330P1C14
CURRENT APPLICATION NUMBER: US/10/218,631
CURRENT PILING DATE: 2002-0812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             142 LPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVGPSQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22 LLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR PELING DATE: 1997-10-38
PRIOR PELING DATE: 1997-10-38
PRIOR PELING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/07994
PRIOR PELING DATE: 1998-03-25
PRIOR PELING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079556
PRIOR APPLICATION NUMBER: 60/079556
PRIOR PELING DATE: 1998-03-26
PRIOR PELING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          : 10/119,480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                90.0%; Sco.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 10/119,486
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Application US/10218631
No. US20030045687A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2002-08-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 188; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; SEQ ID NO 78
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GRSPSYAS 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
```

ö

0; Gaps

Length 208; 0; Indels 3102, Ap 6, Appli

Sequence

Sequence

Sequence Sequence Sequence

Sequence Sequence Sequence Sequence Sequence Sequence

Sequence Sequence Sequence Sequence

Sequence Sequence Sequence Sequence Sequence Sequence

Sequence Sequence Sequence Sequence

Sequenc

Seguence

```
US-11.021-441-24

US-11.021-441-24

US-10.517-339-236

US-10.0467-657-4136

US-10.0467-657-2436

US-11.090-439-18

US-11.090-439-18

US-11.091-441-9

US-11.021-441-13

US-11.021-441-13

US-11.021-441-13

US-11.021-441-13

US-11.021-441-13

US-11.021-441-13

US-10.624-932-16

US-10.624-932-16

US-10.624-932-16

US-11.052-554A-150

US-10.622-893-2

US-10.623-893-2

US-10.995-561-982

US-10.995-561-982

US-10.996-483-20

US-11.022-554A-102

US-10.639-834-102

US-10.639-834-102

US-11.069-834-102

US-11.069-834-56

US-11.069-834-56

US-11.037-243-64

US-11.037-243-64

US-11.103-980-43

US-11.103-980-43

US-11.103-980-43

US-11.103-980-43

US-11.103-980-43

US-11.103-980-43

US-11.103-980-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1035
1046
1163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             s, Appli
S, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 816, App
Sequence 4064, Ap
Sequence 814, App
                                                                                     January 13, 2006, 17:33:30 ; Search time 9 Seconds (without alignments) 219.548 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                     209
1 MDSDETGFEHSGLWVSVLAG......SSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2, p
Sequence 44,
Sequence 45,
Sequence 109,
Sequence 107,
Sequence 7782
Sequence 426
Sequence 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                    Published Applications AA New:*

1: /cgn2_6/ptodata/2/pubpaa/USO8 NEW_PUB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO6 NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO7 NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/USIO NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USIO NEW_PUB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/USIO NEW_PUB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USIO NEW_PUB.pep:*
                                                                                                                                                                                                                                                                                                                                 67062
GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-11-021-441-45
US-11-021-441-109
US-10-467-657-7782
US-10-467-657-4260
US-10-793-626-242
US-10-793-626-242
US-10-967-567-7322
US-10-967-569-64
US-10-742-634-5
US-10-967-527A-5
US-10-965-561-784
US-10-965-561-784
                                                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Listing first 1000 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUMMARIES
                                                                                                                                                                                                                                                               67062 segs, 9454214 residues
                                                           protein search, using sw model
                                                                                                                                                                                                                  OLIGO
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                       US-10-060-765-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        %
Query
Match Length I
                                                                                                                                                                                                                                                                                                0
                                                                                                                                                    Title:
Perfect score:
Sequence:
                                                                                                                                                                                                               Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
                                                                                                                                                                                                                                                                                              Word size :
                                                             OM protein
                                                                                                                                                                                                                                                                 Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                        Database
                                                                                           Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Result
No.
```

Appl

Sequence Sequence Sequence

Sequence Sequence Sequence

Sequence

Sequence Sequence Sequence

Sequence Sequence Sequence Sequence

Sequence Sequence Sequence

Sequence Sequence Sequence Sequence

Sequence Sequence Sequence Appl:

Sequence Sequence Sequence

Sequence

Sequence Sequence

ednence

Sequence Sequence Sequence Sequence

Sequence Sequence Sequence Sequence

| ď |
|----|
| 5 |
| ጔ |
| ଟ |
| Ĥ |
| • |
| 0 |
| Б |
| ·Н |
| ᅼ |
| O |
| |
| 4 |
| į |
| 65 |
| 7 |
| |
| Ö |
| 6 |
| ō |
| ī |
| 0 |
| Н |
| 1 |
| цB |
| Þ |
| |
| |
| |
| |

| equence 2616 equence 590, equence 119, equence 154, equence 259, equence 2106 | equence 17, equence 15, equence 445 | equence 181 equence 592 equence 462 equence 146 | equence 276 equence 235 equence 133 equence 2, equence 214 | equence 213 equence 213 equence 3, equence 221 equence 802 equence 103 equence 103 equence 536 | equence 854 equence 834 equence 177 equence 11, equence 81, equence 334 | equence 5.9 equence 5.9 equence 34 equence 25 equence 26 equence 28 equence 28 equence 28 | M 104 (41) 01 - 11 - 111 (44 - 1 |
|---|---|---|---|---|--|--|--|
| US-10-7 US-10-9 US-11-0 US-11-0 US-11-0 US-11-0 | US-11-084-508-17 US-10-467-657-444 US-10-821-234-154 US-10-467-657-445 | US-11-113-424-18 US-11-149-462-9 US-10-467-657-59 US-11-000-463-46 US-11-120-308-14 | US-10-793-626-276 US-10-467-657-232 US-10-821-234-131 US-11-102-497-2 US-10-485-517-178 | US-10-793-626-2 US-10-467-657-2 US-11-084-591-3 US-10-667-295-2 US-10-467-657-8 US-10-821-234-1 US-10-467-657-5 | US-10-995-561-853 US-10-467-657-834 US-10-453-372-422 US-11-118-855-11 US-10-527-500-81 US-11-119-098-1 US-11-119-098-1 US-11-000-465-376 | US-10-73-520-10-10-10-10-10-10-10-10-10-10-10-10-10 | US-10-995-561-95 US-10-149-462-7 US-10-793-626-29 US-10-793-626-29 US-11-214-371-2 US-11-214-371-2 US-10-667-295-13 US-10-667-295-13 US-10-467-657-13 US-10-689-749-58 US-10-689-749-58 US-10-689-749-10 US-10-689-749-10 US-10-689-749-10 US-10-689-749-10 US-10-689-749-10 US-10-689-749-10 US-10-689-749-10 US-10-689-749-10 US-10-687-657-13 US-10-667-295-13 US-10-467-657-48 |
| 102 103 103 105 105 106 108 | 980488 | 14000 00 | 0 7 W W W D O | 0010400 | V 8 0 0 0 1 1 1 2 4 1 | # # # # # # # # # # # # # # # # # # # | 1555 6 1258 6 6 1258 8 6 1258 8 6 1262 9 1262 9 1263 9 1273 9 173 9 173 9 173 6 173 6 173 6 |
| 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4. | 44444 | 4 4 4 4 4 4 | . વ. વ. વ. વ. વ. વ. | 44444444 | 4444444444 | ઝલલલલલલલલલ •••••••••••••••••••••••••••• | |
| տատատատա | . Մ. Մ. Մ. Մ. Մ. Մ. | ហហហហហ | സഹനനനന | លលលល់ល | տատատատատ | ստաստատասաս տ | ๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛ |
| 172 174 175 176 177 179 | 180 181 183 183 184 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 197 198 199 200 201 203 | 0000000 | 2113 2115 2116 2117 222 222 223 | 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| e 104, App e 144, App e 146, App e 148, App e 149, App e 29, App | 231, 232, 214, 108, | 226 | 44, 42330, | 293, App 8 105, App 15 48, App 15 609, App 16 41, App 17 App 18 43, App | 2327789 | 85394438, 22212 85394438, 22212 | e 1042, Ap e 305, App 3342, App e 205, App e 206, App e 14, App e 12, App e 112, App e 151, App e 222, App e 222, App e 222, App e 223, App e 223, App e 224, App e 165, App e 165, App e 165, App e 165, App e 165, App e 165, App |
| Sequence Seq Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Seq | seduence sed |
| B - 107 B - 144 B - 146 B - 147 B - 149 B - 229 | 18-231 18-231 18-232 9-214 18-108 5-2643 | 15-2647 15-2659 15-2713 15-3160 39-216 | 9420-106 894A-23 092A-12 542-8 950-4 575-146 | -575-293 -961B-105 -890-548 -890-609 -943-41 -501-228 | 334 39 657-8770 768-23 768-25 199-73 1199-73 517-353 | -501-127 -501-127 -503-223 -003-223 -105-7 -1165-7 -1165-7 -657-3784 -657-3830 -657-3830 -657-8520 | US-11-055-822-1042 US-11-104-246-305 US-10-467-657-356 US-10-465-788A-815 US-11-053-076-10 US-11-053-076-14 US-11-053-076-14 US-11-053-076-14 US-11-124-368A-251 US-11-124-368A-251 US-11-234-1123 US-11-234-1123 US-11-053-478-166 US-11-179-478-18 US-11-053-076-46 US-11-053-076-46 US-11-053-076-46 |
| US-10-877-96 US-10-877-961 US-10-877-961 US-10-877-961 US-10-877-961 US-10-877-961 US-10-877-961 | US-10-877-96 US-10-877-96 US-11-033-03 US-10-877-96 US-11-054-51 | US-11-054-5 US-11-054-5 US-11-054-5 US-11-054-5 | US-11-9595 US-11-019- US-11-067- US-11-016- US-11-112- US-10-503- | US-10-503 US-10-877 US-10-939 US-11-065 US-11-065 US-11-065 | US-10-932 US-10-467 US-10-516 US-10-516 US-11-214 US-10-488 US-10-488 | US-10-986 US-10-467 US-11-033 US-11-033 US-10-512 US-10-667 US-10-467 US-10-467 US-10-467 | US-11-05E |
| , , , , , , , , , , , , , , , , , , , | 70700 | ,,,,,,, | 001110 | 0 0 0 0 0 7 7 0 | 000000000 | 00000000000000 | rr0010101101010111 |
| | 111 6 111 6 11 11 11 11 11 11 11 11 11 1 | 144 1144 116 116 116 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 119 6 221 6 222 7 24 6 | 22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 4 4 4 4 7 7 7 7 9 9 9 7 7 9 9 9 9 9 9 9 | 2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4. | | 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4. | 44444444444444444444444444444444444444 | <u>ዹ፞ዹ፞ዹ፞ዹ፞ዹ፞ዹ፞ዹ፞ዹ፞ዹ፞ዹ፞ዹ፞ዹ፞</u> ፟ ፙፙፙዸፘጜጜዹ፟፟፟፟፟፟፟፟፟፟፟ ፙፙዾፘኇጜ፟ዹ፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟ ፙፙፙዾዀፙፙፙፙፙፙፙፙ | 2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

| | Sequence 4338, Ap Sequence 1062, Ap | 13 | 23 | ò | m | 1 4 | 88 | 12 | 95 | 'n | 26 | 7 - | 1 4 | ٦, | 32 | 6 . | 7 6 | 21. | 16 | 69 | ; ; | i n | 35 | 4 4 | 4.0 | 4 4 | 12 | 52. | 2 5 | 16 | 78 | 2.5 | 6, | E 6 | 61 | 6 | 52,0 | 866 | 96 | 2 5 | 727 | 4 | 7 2 | i i | 168 | 97.1 | 54° | 310 | 120 | 26, | 14. | 996 | 826 75 | 4 | 49, A |
|---|--|--|---|-------------------|--------------------|--------------------|-------------------|---|-------------------|-------------------|---|------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|------------------|------------------|------------------|--------------------|---------------------------------------|-------------------|--------------------|-------------------|-----------------|------------------|------------------|--|------------------|--|--------------------|--------------------|---------------------------------------|--------------------|-----------------|---|-------------------|------------------|-----------------|--|--------------------|-------------------|---|--------------------|--------------------|-------------------|-------------------|-------------------|--|-------------------|-------------------|
| | 6 US-10-467-657-4338 7 US-11-108-172-1062 | -sn | -Sn | S S | US-11-136-341A-3 | US-11-055-822-47 | us- | US-11-212-443-15 | US-10-454-437-92 | US-11-097-749-5 | ns- | US-II-082-389-2/ | US-11-108-1/2-11 | ns- | US-: | US-10-055-877-196 | מ מ | US-10-131-826A-51 | us- | ns- | 2 2 | US- | US-1 | us- | OSD 118 | US-1 | US-11-054-515-121 | US-10-467-657-257 | 200 | US-11-212-443-76 | C-SD | 20.00 | US-10-528-031-6 | US-1 | us-1 | us-1 | L-SI | as- | US-1 | US-10-839-799-109 | US-1 | US-1 | So | US-11-102-978-13 | US-1 | US-1 | US-1 | US-1 | US-1 | 1-SU | us-1 | us-1 | US-1 | US-1 | US-1 |
| | 232 | 8 8 3 3 | 8 6 | ש מ | 66. | 2 0 | 0 | 0.5 | 1 7 | 2 | <u>۾</u> | ກ່ຕ | . 4 | 4 | 7 | ų. | 0 1 | | 12 | | 7 0 | 0 | 61 | 0.0 | y C | 2.5 | <u>.</u> | ღ: | 2 (2 | ñ | ا | | | <u> </u> | . 4 . | | , <u>,</u> | - 60 | 80 9 | ח ס | 9 | 0.5 | 2 : | ე ლ | 'n | ñ | លក | | <u>-</u> | . | ه د | <u>ص</u> | ص د | | 0 |
| | 4.4. | 4. 4. | 4.4 | 4 7. | 4.4 | , 7 , 4 | 2.4 | 4. 4 | . 4. | 2.4 | 4. 4 | 4. 4 | . 4 | 2.4 | 2.4 | 4.6 | 4. 4 | 2.4 | 2.4 | 4.6 | . d | . 4. | 2.4 | 4. | 2 C | . 4. | - | ٠. | 4.4 | | ٠. | | | | | - | | | ٠. | · · | | ٠. | ٠. | ٠ | | ٠. | 4. 4 | | - | 4. 4 | . 4. | 2.4 | 4. 4 | 4. 4. | 2.4 |
| | ហហ | n n | ın ı | n w | ıΩι | n w | س | LO 1/ | n n | ហ | முட | Դ Մ | n n | ம | ι. | U r | Դ Մ | ഹ | 'n | ı, | n u | n w | Ŋ | ហរ | ս տ | n LO | ın: | ហេដ | nα | S | س | ດ ເຕ | Ŋ | ស ជ | n m | τυ | υr | υn | n i | n u | n o | ហ | νı | n n | Ŋ | Ŋ | n n | n n | ហេ | vп | n n | ro: | ហេ ព | n n | ς. |
| | 318 319 | 320 321 | 322 | 324 | 325 | 327 | | | 331 | | | | | | | | | | | | | 347 | 348 | 349 | 350 351 | 352 | 353 | 354 | 356 356 | 357 | 358 | 360 | 361 | 362 | 364 | 365 | 366 | | | | | | | | | | | | | | | | | 386 | |
| - | | | | | | | | | | | | - | | | | | | | • | | | | | | | , | - | | | | | | | | | | | | | | | | | | | | | | | , | | | | | _ |
| | Sequence 322, App Sequence 61, Appl | 1.4 | 4 | 2.5 | 5,5 | 14 | 21 | 2 2 | 1 # | 23 | 21 | U 4 | ٦, | 14 | 78 | 200 | 9 4 | 26 | 48 | 92 | J L | 7 | 12 | 40 | אמ | 8 4 | 8 | 9 6 | ~ v | . 6 | 90 | 3 6 | 24 | 2 2 | 8 | 3.4 | Ĭ | 32 | 4, Appl | 4/2, AD 7818. A | 402, Ap | 6 | 3, AE | 3408, | 1130, | 143, | 232, | 1514, | 319, | 367, | 369, | 745, | 363, | Sequence 364, App | ,998 |
| · | US-10-485-517-322 US-10-980-388-61 | US-11-212-443-194 US-11-000-463-409 | US-10-131-826A-174 US-10-485-517-386 | US-11-055-822-244 | US-10-467-657-5600 | US-10-821-234-1415 | US-10-055-877-198 | US-10-96/-52/A-32 US-10-467-657-5680 | US-11-052-554A-18 | US-10-858-730-230 | US-10-821-234-1299 TR-10-467-667-640 | US-11-085-775-4 | US-10-986-501-341 | US-10-793-626-140 | US-11-055-822-782 | US-10-96/-52/A-26 | US-10-467-657-1632 | US-10-467-657-2604 | US-10-467-657-4800 | US-10-467-657-6554 | US-11-097-749-53 | US-10-967-527A-2 | US-11-126-427-12 | US-10-467-657-4532 | US-11-000-463-880 US-10-055-87-230 | US-10-467-657-484 | US-10-467-657-8012 | US-10-873-528-46 | US-11-126-427-6 | US-11-126-427-8 | US-11-214-199-36 | US-10-48/-83/-3098 US-10-878-556A-133 | US-10-467-657-24 | US-10-467-657-7128 US-11-055-822-1080 | US-11-124-368A-187 | US-10-467-657-3428 | US-11-U8Z-389-116 US-11-126-427-10 | US-10-467-657-3238 | US-10-793-626-4 | US-10-/93-628-4/2 US-10-467-657-7818 | US-10-454-437-402 | US-11-170-653-29 | US-IO-965-9/2-3 | US-10-821-234-18// US-10-467-657-3408 | US-11-055-822-1130 | US-10-873-528-143 | US-11-082-389-232 US-10-467-657-2162 | US-10-467-657-1514 | US-11-052-554A-319 | US-10-884-730-367 | US-10-884-730-369 | US-11-000-463-745 | US-10-884-730-363 US-10-884-730-364 | US-10-884-730-365 | US-10-884-730-366 |
| | 180 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 444 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 21 | | 21 | | | | | | | | | | | | | | | | |
| , | n ni n | 9 (7) | ~ ~ | ί κ ί | o o | 6 | ٠i ر | , c | 2 | i i | , i | | 6 | 6 | ٠, د | 4 0 | Ņ | 2 | ٠ <u>٠</u> | , r | | , , | c; (| ni c | , c | 8 | , i | , c | , v | 7 | , v | | 6 | 2 0 | . 6 | , , | , v | 6 | ν, α | 4 (7 | Ń | 00 | 7 0 | 1 (1 | 7 | 7 | 0 0 | 1 (7) | 00 0 | 70 | . 63 | ~ 0 | C) C | | 0 |
| | 245 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| nce 66, nce 7, nce 120 nce 769 | ince 64 | ance 52 | ince 6 | ince 91 | ince 68 | ince 108 | ince 510 | ance 25 | ince our | nce 64! | nce 43, | ance 1 | nce 121, | ince 30, ince 426, | nce 428, | ince 512, | ince 120, | nce 510, | nce 4, P | nce 4318 | nce 176, | nce 244, | nce 162, | nce 5758 nce 31. | nce 1122 | nce 160, | nce 6546 | nce 20, | nce 1085 | nce 10, nce 2034 | ince 62, | ance 170, | nce 222, | nce 169, | nce 171, | ince 8, A | nce 4, P | ince 44, | nce 2, 7 | nce 7628 | nce 162, | nce 16, | nce 4966 | nce 100, | ince 47, | ince 1396 |
|---|--|--|---|--|--|---|---|--|--|---|--|---|---|---|--|---|--|--|--|--|--|---|---|---|---|---|---|--|---|--|--|---|--|---|---|---|---|--|--|---|--|--|--|--|--|---|
| anbes Sedne Jabes Jabes | r ses | Seg | S S S | Sed | Seg. Seg | Seq | pes Seg | Seq | Sequ | Seq | Seg | Sed | Seq. | ъs | Sed | Sed | Sed | Sequenc | Sedi | Seq | Sequ | Seq | r Sequ | Sequ | Sedi | Seq | Sequ | Seq | Seq | Seguen | Sed | Seq | Sed | Seq | Sed | Seq | Sequen | Seg | Sequenc | Segn | Sequ | Seq. | Sequ | Sedu | Seq | Sedu |
| | S-11-102-240-64 S-10-467-962B-10 | S-11-165-211-52 S-11-165-226-62 | S-10-512-184-6 | S-11-037-243-91 | S-10-512-184-6 S-10-512-184-7 | S-10-793-626-1 | S-10-453-3/2-51 S-11-085-812-2 | S-10-432-483-25 | S-10-453-3/2-5 S-10-131-826A- | S-10-467-657-645 | S-10-8/3-528-43 S-10-802-796-72 | S-10- | S-10-858-730-12 | S-10-453-372-42 | 8-10-453-372-4 | S-10-453-3/2-51 S-10-995-793-2 | S-10-980-388-12 | S-10- S-11- | 8-11-205-109-4 | S-10-467-657-43 S-11-055-822-27 | S-10- | S-10-454-437-244 S-10-793-626-285 | S-10-131-826A-1 | -10-467-657-575 -10-161-408-31 | S-10-453-372-11 | S-11-074-176-160 S-10-467-657-503 | S-10-467-657-65 | S-10-606-302-20 S-11-055-822-10 | 8-11-108-172-1 | S-10-967-648A-1 S-10-793-626-20 | S-10-517-939-62 | S-10- | S-10-517-939-222 | S-10-055-877-16 S-10-055-877-17 | S-10-055-877-17 | S-11-8 | 8-11- | S-11- | S-11-14/-606-2 S-10-821-234-157 | S-10-467-657-7 | 8-11-055-822-16 | S-11-108-528-1 | S-11-106-328-18 S-10-467-657-49 | S-10-517-939-1 | S-11-127-877-47 | S-10-821-234-1 |
| 324 6 324 6 324 6 324 6 | 25 | 720 | . as a | 8 6 | 29 | 90 | 0 0 2 0 | 31 | 33 T | 333 | 2 C | 4.4 | 4. 4 | 324 | 50 | ຄຸກ | 36 | 9 9 | 96 | w 6 | . 4 : | 4 2 | 3 6 | 44 44 60 60 | | E) 4 | 4.4 | 4 4 | 4. | a 4 | 46 | 946 | 7 | 44 4 00 0 | 0.0 | 0 0 | 22 | 633 | ກິດ | ស្ន | 55 | 5 1 | 26.0 | 57 | 8 6 | 5 6 |
| 'चंचच | ক ক | ব ব | বাব | 4 | ক্ক | 4. | 4.4 | 4. | 4 4 | 4,4 | 4 4 | . 4. | 4. | r 4. | 4. | a, a, | 4 | 4.4 | 4 | 4.4 | 4 | ক ক | . 4. | 4 4 | | ৰ ব | | ক' ব | 4 | 4.4 | | ক্ৰ | | 4 4 | | 4,4 | . 4. | 4,4 | 4.4 | 4 | 4. | 4.4 | 4.4 | 4 | 4.4 | 4 |
| 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | n n | יטיני | ነው | n LO | വ വ | ı, | വവ | r) | n n | TU II | ս տ | n un i | LO U | n un | LO I | n n | LO . | w m | ı LO | n n | . 0. | വ വ | n un | ഗഗ | ı v | n n | · w | n u | . W | տ տ | 'n | សល | 'n | ഗഗ | ıω | u u | n n | ហេ | n n | , rv | ហ | տւ | nυ | Ŋ | ហ | v |
| 4 4 4 4 4 4 6 5 5 4 4 6 8 6 9 4 6 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 469 | 7 | 473 | 475 | 476 | 5 | 479 | 481 | 482 | 484 | 4 4 8 8 5 6 6 | 487 | 488 80 80 | 490 | 491 | 4 4 9 4 2 6 | 494 | 495 496 | 497 | 44 4 80 0 80 0 | 200 | 501 | 503 | 700 r | 206 | 00 | 0 | | 512 | | . – | 516 | 518 | 519 | 521 | 522 | 524 | 525 | 526 | 528 | 529 | 530 | 532 | 533 | 133 4 14 | 535 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ٠ | | | | | | | | | | | | | | |
| equence 1026 equence 15, equence 85, equence 324, | equence 206, equence 2192 | equence 1617 | equence 430, | equence 115, | equence 8, A equence 43, | equence 50, | equence 6, A equence 1546 | equence 153, | equence 77, A equence 2346, | equence 934, | equence 7686 equence 50. | equence 2, Ap | equence 34, | equence 10, equence 16, | equence 119, | equence 922, equence 2850 | equence 6750 | equence 4, Feminary | equence 176, | equence 116, | equence 1472 | equence 894, | equence /, requence 131, | equence 266 | equence 135 | equence 8 | equence 39, | equence 2, | equence 328 | equence 9, | equence 16 | equence 11 | equence 74 | equence 4, | equence 22 | equence 11 | equence 72 | equence 77 | equence 96 | equence 11 | equence 15 | equence 25 | equence 12 equence 10 | equence 12 | equence 10 | equence 21 |
| US-10-793-626-1026 Sequence 1020 US-11-087-177-15 Sequence 15, US-11-186-284-85 Sequence 85, US-11-082-389-324 Sequence 324, | US-11-074-176-206 Sequence 206, US-10-793-626-2192 Sequence 2192 | US-10-821-234-1617 Sequence 1617 | US-10-453-372-430 Sequence 430, US-10-453-372-432 | US-11-037-243-115 Sequence 115, | US-11-149-462-8 Sequence 8, A US-10-527-500-43 Sequence 43, | US-11-065-943-50 Sequence 50, | US-10-965-972-6 US-10-467-657-1546 Sequence 1546 | US-10-878-556A-153 Sequence 153, | US-10-32/-300-// Sequence //, / US-10-793-626-2346 Sequence 2346 | US-10-467-657-934 Sequence 934, | US-10-46/-65/-/686 Sequence /686 US-10-508-263-50 Semience 50 | US-11-067-121-2 Sequence 2, 7 | US-11-113-424-34 Sequence 34, | US-10-510-386-16 Sequence 16, | US-10-878-556A-119 Sequence 119, | US-11-USS-822-922 US-10-467-657-2850 Sequence 2850 | US-10-467-657-6750 Seguence 6750 | US-11-085-812-4 Sequence 4, 7 US-10-667-295-117 Sequence 117. | US-10-131-826A-176 Sequence 176, | US-10-667-295-116 Sequence 116, | US-10-793-626-1472 Sequence 1472 | US-10-995-561-894 Sequence 894, | US-11-165-226-131 Sequence 131, | US-10-793-626-2668 Sequence 266 | US-10-467-657-1350 Sequence 135 | US-10-995-561-814 Seguence 814 | US-11-109-156-39 Sequence 39, | US-11-165-160-2 Sequence 2, | US-10-454-437-328 Sequence 32 | US-11-092-168-9 Sequence 9, US-11-055-822-246 Sequence 24 | US-11-055-822-16 Sequence 16 | US-10-689-742-116 Sequence 11 | US-10-995-793-74 Sequence 74 | US-11-018-018-4 Sequence 4, | US-10-454-437-220 Sequence 22 | US-10-667-295-115 Sequence 11 | US-10-802-796-727 Sequence 72 | US-10-467-657-7760 Sequence 77 | US-10-454-437-98 Sequence 96 US-11-184-005-8 Sequence 8. | US-10-858-730-111 Sequence 11 | US-10-793-626-1526 Sequence 15 | US-10-467-657-2504 Sequence 25 | US-11-092-140-12 US-11-212-443-10 Sequence 10 | US-11-212-443-12 Sequence 12 | US-10-467-657-1006 Sequence 10 | US-10-454-437-218 Sequence 21 |
| 6 US-10-793-626-1026 Sequence 1026 7 US-11-087-17-15 Sequence 15, 7 US-11-186-284-85 Sequence 85, 7 US-11-082-389-324 Sequence 324, | 7 US-11-074-176-206 Sequence 206, 6 US-10-793-626-2192 Sequence 2192 | 6 US-10-821-234-1617 Sequence 1617 6 US-10-453-372-420 Semience 420 | 6 US-10-453-372-430 Sequence 430, 6 US-10-453-372-432 | 7 US-11-037-243-115 Sequence 115, | 7 US-11-149-462-8 Sequence 8, A 6 US-10-527-500-43 Sequence 43, | 7 US-11-065-943-50 Sequence 50, | 6 US-10-965-972-6 Sequence 6, 4 6 US-10-467-657-1546 Sequence 1546 | 6 US-10-878-556A-153 Sequence 153, | 6 US-10-72/-500-// Sequence //, / 6 US-10-793-626-2346 | 6 US-10-467-657-934 Sequence 934, | 6 US-10-46/-65/-/686 Sequence /686 6 US-10-508-263-50 Semience 50 | 7 US-11-067-121-2 Sequence 2, 7 | 7 US-11-113-424-34 Sequence 34, | 6 US-10-510-386-16 Sequence 16, | 6 US-10-878-556A-119 Sequence 119, | / US-11-USS-822-922 6 US-10-467-657-2850 Seguence 2850 | 6 US-10-467-657-6750 Sequence 6750 | 7 US-11-085-812-4 Sequence 4, 7 6 US-10-667-295-117 Sequence 117. | 6 US-10-131-826A-176 Sequence 176, | 6 US-10-667-295-116 Sequence 116, | 6 US-10-793-626-1472 Sequence 1472 | 6 US-10-995-561-894 Sequence 894, | 7 US-11-165-226-131 Sequence 131, | 6 US-10-793-626-2668 Sequence 266 6 US-10-967-527A-30 Semience 30 | 6 US-10-467-657-1350 Sequence 135 | 6 US-10-995-561-814 Seguence 814 | 7 US-11-109-156-39 Sequence 39, | 7 US-11-165-160-2 Sequence 2, 6 HS-10-467-657-7412 | 6 US-10-454-437-328 Sequence 33 | 7 US-11:092-168-9 Sequence 9, 7 US-11-055-822-246 Semience 24 | 7 US-11-055-822-16 Sequence 16 | 6 US-10-689-742-116 Seguence 11 | 6 US-10-995-793-74 Sequence 74 | 7 US-11-018-018-4 Sequence 4, | 6 US-10-454-437-220 Sequence 22 | 6 US-10-667-295-115 Sequence 11 | 6 US-10-802-796-727 Sequence 72 | 6 US-10-467-657-7760 Sequence 77 | 6 US-10-454-437-98 Sequence 98 7 US-11-184-005-8 Sequence 8. | 6 US-10-858-730-111 Sequence 11 | 6 US-10-793-626-1526 Sequence 15 | 6 US-10-467-657-2504 Sequence 25 | / US-11-092-140-12 Sequence 12 7 US-11-212-443-10 Sequence 10 | 7 US-11-212-443-12 Sequence 12 | 6 US-10-467-657-1006 Sequence 10 | 6 US-10-454-437-218 Sequence 21 |
| 4 281 6 US-10-993-626-1026 Sequence 1026 4 281 7 US-11-087-177-15 Sequence 15, 4 282 7 US-11-186-284-85 Sequence 85, 4 285 7 US-11-082-389-324 Sequence 324, | .4 285 7 US-11-074-176-206 Sequence 206, 4 286 6 US-10-793-626-2192 Sequence 2192 | .4 288 6 US-10-821-234-1617 Sequence 1617 | .4 288 6 US-10-453-372-430 Sequence 430, | .4 288 7 US-11-037-243-115 Sequence 115, | .4 288 7 US-11-149-462-8 Sequence B, A .4 291 6 US-10-527-500-43 Sequence 43, | .4 291 7 US-11-065-943-50 Sequence 50, | .4 292 b US-10-965-972-6 Sequence b, A .4 293 6 US-10-467-657-1546 Sequence 1546 | .4 293 6 US-10-878-556A-153 Sequence 153, | .4 294 6 US-10-72/-500-// Sequence 77, 4 .4 294 6 US-10-793-626-2346 Sequence 2346, | .4 294 6 US-10-467-657-934 Sequence 934, | 4 295 6 US-10-508-263-50 Sequence 7086 | 4 295 7 US-11-067-121-2 Sequence 2, P | .4 295 7 US-11-113-424-34 Sequence 34, | .4 297 6 US-10-510-386-16 Sequence 10, | .4 297 6 US-10-878-556A-119 Sequence 119, | .4 29/ / US-II-USS-822-922 Sequence 922, .4 298 6 US-10-467-657-2850 Sequence 2850 | .4 298 6 US-10-467-657-6750 Sequence 6750 | .4 298 7 US-11-085-812-4 Sequence 4, 7 .4 300 6 US-10-667-295-117 Sequence 117. | 4 301 6 US-10-131-826A-176 Sequence 176, | .4 302 6 US-10-667-295-116 Sequence 116, 4 302 7 US-11-126-427-26 Sequence 26 | 4 304 6 US-10-793-626-1472 Sequence 1472 | .4 306 6 US-10-995-561-894 Sequence 894, | .4 306 7 US-11-165-226-131 Sequence 131, | .4 307 6 US-10-793-626-2668 Seguence 266 4 308 6 HS-10-967-5278-30 Semience 30 | .4 308 6 US-10-467-657-1350 Sequence 135 | .4 308 6 US-10-995-561-814 Seguence 814 4 309 7 Hg-11-109-156-24 Seguence 24 | .4 309 7 US-11-109-156-39 Sequence 39, | .4 309 7 US-11-165-160-2 Seguence 2, | 4 310 6 US-10-454-437-328 Sequence 32 | .4 310 7 US-11-092-168-9 Sequence 9, | .4 312 7 US-11-055-822-16 Sequence 16 | .4 314 6 US-10-689-742-116 Sequence 11 | .4 314 6 US-10-995-793-74 Sequence 74 | .4 314 7 US-11-018-018-4 Sequence 4, | .4 315 6 US-10-454-437-220 Sequence 22 | .4 316 6 US-10-667-295-115 Sequence 11 | .4 318 6 US-10-802-796-727 Sequence 72 | .4 318 6 US-10-467-657-7760 Sequence 77 | .4 319 6 US-10-454-437-98 Sequence 98 .4 319 7 US-11-184-005-8 Sequence 8. | .4 320 6 US-10-858-730-111 Sequence 11 | .4 321 6 US-10-793-626-1526 Sequence le | .4 321 6 US-10-467-657-2504 Sequence 25 | .4 321 / US-11-U3z-14U-12 Sequence La .4 321 7 US-11-212-443-10 Sequence 10 | .4 321 7 US-11-212-443-12 Sequence 12 | .4 322 6 US-10-467-657-1006 Sequence 10 | .4 322 6 US-10-454-437-218 Sequence 21 |
| 281 6 US-10-131-626A-54 , Sequence 194, 281 6 US-11-087-177-15 Sequence 15, 282 7 US-11-186-284-85 Sequence 85, 285 7 US-11-082-389-324 Sequence 324 | 2.4 285 7 US-11-074-176-206 Sequence 206, 2.4 286 6 US-10-793-626-2192 Sequence 2192 | 2.4 288 6 US-10-821-234-1617 Sequence 1617 2.4 288 6 US-10-453-372-420 Semience 420 | 2.4 288 6 US-10-453-372-430 Sequence 430, 2.4 288 6 US-10-453-372-432 Semience 430, | 2.4 288 7 US-11-037-243-115 Sequence '115, | 2.4 288 7 US-11-149-462-8 Sequence B, A 2.4 291 6 US-10-527-500-43 Sequence 43, | 2.4 291 7 US-11-065-943-50 Sequence 50, | 2.4 292 b US-10-965-972-b Sequence b, A | 2.4 293 6 US-10-878-556A-153 Sequence 153, | 2.4 294 6 US-10-793-626-2346 Sequence 2346 | 2.4 294 6 US-10-467-657-934 Sequence 934, | 2.4 294 6 US-IU-46/-65/-7686 Sequence /686 2.4 295 6 US-IU-508-263-50 Semience 50 | 2.4 295 7 US-11-067-121-2 Sequence 2, P | 2.4 295 7 US-11-113-424-34 Sequence 34, | 2.4 297 6 US-10-510-386-16 Sequence 10, | 2.4 297 6 US-10-878-556A-119 Sequence 119, | 2.4 29/ / US-11-USS-822-922 Sequence 922/ 2.4 298 6 US-10-467-657-2850 Sequence 2850 | 2.4 298 6 US-10-467-657-6750 Sequence 6750 | 2.4 298 7 US-11-085-812-4 Sequence 4, 7 2.4 300 6 US-10-667-295-117 Sequence 117. | 2.4 301 6 US-10-131-826A-176 Sequence 176, | 2.4 302 6 US-10-667-295-116 Sequence 116, | 2.4 304 6 US-10-793-626-1472 Sequence 1472 | 2.4 306 6 US-10-995-561-894 Sequence 894, | 2.4 306 7 US-11-165-226-131 Sequence 131, | 2.4 307 6 US-10-793-626-2668 Sequence 266 | 2.4 308 6 US-10-467-657-1350 Sequence 135 | 2.4 308 6 US-10-995-561-814 Sequence 814 | 2.4 309 7 US-11-109-156-39 Sequence 39, | 2.4 309 7 US-11-165-160-2 Sequence 2, | 2.4 310 6 US-10-454-437-328 Sequence 32 | 2.4 310 7 US-11-092-168-9 Sequence 9, | 2.4 312 7 US-11-055-822-16 Sequence 16 | 2.4 314 6 US-10-689-742-116 Sequence 11 | 2.4 314 6 US-10-995-793-74 Sequence 74 | 2.4 314 7 US-11-018-018-4 Sequence 4, 2.4 314 7 US-11-047-757-4 Semience 4. | 2.4 315 6 US-10-454-437-220 Sequence 22 | 2.4 316 6 US-10-667-295-115 Sequence 11 | 2.4 318 6 US-10-802-796-727 Sequence 72 | 2.4 318 6 US-10-467-657-7760 Sequence 77 | 2.4 319 6 US-10-454-437-98 Sequence 98 2.4 319 7 US-11-184-005-8 Sequence 8 | 2.4 320 6 US-10-858-730-111 . Sequence 11 | 2.4 321 6 US-10-793-626-1526 Sequence le | 2.4 321 6 US-10-467-657-2504 Sequence 25 | 2.4 321 / US-11-092-140-12 sequence 12 2.4 321 7 US-11-212-443-10 Sequence 10 | 2.4 321 7 US-11-212-443-12 Sequence 12 | 2.4 322 6 US-10-467-657-1006 Sequence 10 | 2.4 322 6 US-10-454-437-218 Sequence 21 |

١.

| | | Sequence 200, Appl Sequence 200, Appl Sequence 27, Appl Sequence 972, App Sequence 366, App Sequence 113, Appl Sequence 113, Appl Sequence 75, Appl Sequence 75, Appl Sequence 76, Appl Sequence 76, Appl Sequence 76, Appl Sequence 606, Appl | 2120, P 28, Apr 967, Apr 292, Apr 1628, Apr 1628, Apr 26, Apr 186, Apr 365, Apr 365, Apr 365, Apr 365, Apr 365, Apr 366, Apr | ednence |
|--|--|--|--|---|
| | | | - Sn - Sn - Sn - Sn - Sn - Sn - Sn - Sn | US-11-022-554A-167 US-10-022-554A-167 US-10-167-657-7728 US-11-174-150-39 US-11-174-150-39 US-11-031-626-3 US-11-090-439-31 US-11-090-439-31 US-11-090-439-31 US-11-186-541-2 US-11-198-819-12 US-11-198-819-12 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-10-995-561-639 US-11-108-519-14 |
| | | | | 44444444444444444444444444444444444444 |
| 44444444444444444444444444444444444444 | | , , , , , , , , , , , , , , , , , , , | 44444444444444444444444444444444444444 | . यय यय यय यय यय यथ यथ यथ यथ यथ यथ यथ यथ |
| លហហហហហហហហហហ | . ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ ហ | | ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស | |
| 610 611 611 611 614 615 619 619 620 | 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 665 665 665 665 665 667 672 673 673 673 673 673 673 673 673 |
| pli App App App App App App App App App | 4 5 6 6 7 8 6 6 6 7 8 6 6 6 | 20-10-1-10-10-10 | · | |
| 56172167416 | 444444444444444444444444444444444444444 | 40040404040404 | 2244647624246677 | Sequence 46, Appl Sequence 1626, Ap Sequence 112, Appl Sequence 172, Appl Sequence 172, Appl Sequence 173, Appl Sequence 178, Ap Sequence 27, Appl Sequence 21, Appl Sequence 21, Appl Sequence 21, Appl Sequence 3116, Ap Sequence 3116, Ap Sequence 3116, Appl Sequence 3, Appl Sequence 66, Appl Sequence 21, Appl Sequence 22, Appl |
| US-11-087-227-8 Sequence 8, US-11-192-450-6 Sequence 6, US-10-858-730-10 Sequence 6, US-10-467-657-4196 Sequence 7, US-10-995-51-612 Sequence 7, US-11-052-554A-169 Sequence 10S-10-995-561-783 Sequence 10S-10-995-561-783 Sequence 10S-10-995-561-783 Sequence 10S-10-995-561-545 Sequence 54 | US-11-052-554A-223 Sequence 22 US-11-0467-657-2244 Sequence 22 US-10-821-234-985 Sequence 23 US-11-085-775-3 Sequence 3, US-10-793-626-696 Sequence 12 US-10-467-657-534 Sequence 22 US-10-467-657-534 Sequence 22 US-10-131-826A-388 Sequence 22 US-10-131-826A-388 Sequence 34 US-10-453-372-976 Sequence 34 US-10-467-657-334 Sequence 34 US-10-467-657-344 Sequence 34 US- | US-10-485-517-218 Sequence 12 US-11-121-731A-3 Sequence 23 US-11-121-731A-3 Sequence 24 US-11-1069-642-24 Sequence 24 US-11-1069-642-24 Sequence 22 US-10-818-730-22 Sequence 22 US-10-657-158 Sequence 25 US-10-657-158 Sequence 14 US-10-863-330-2 Sequence 14 US-10-989-3313-4 Sequence 24 US-11-185-230-2 Sequence 27 US-10-888-730-10 Sequence 10 US-10-888-730-10 Sequence 10 US-10-888-730-10 Sequence 10 US-10-888-730-10 Sequence 10 US-10-888-730-10 US-10-888 | US-10-467-657-2254 Sequence 22 US-10-888-70-23 Sequence 23 US-10-525-674-4 Sequence 23 US-10-525-674-4 Sequence 19 US-11-134-795-19 Sequence 19 US-11-092-168-7 Sequence 67 US-110-095-561-518 Sequence 77 US-10-995-561-518 Sequence 20 US-11-1082-389-22 Sequence 22 US-11-1082-389-22 Sequence 16 US-11-108-528-68 Sequence 16 US-11-108-528-78 Sequence 68 US-11-108-528-78 Sequence 69 US-11-108-528-78 Sequence 77 US-11-108-528-78 Sequence 77 US-11-108-528-78 Sequence 77 US-11-108-528-78 Sequence 77 US-11-108-528-68 Sequence 77 US-11-108-528-78 Sequence 77 US-1108-528-78 US-1108-528-78 Sequence 77 US-1108-528-78 US-1108-528 US-1108-528-78 US-1108-528 US-11 | US-10-392-234A-46 US-10-891-234-1626 US-10-995-561-614 US-11-075-185-13 US-11-075-185-13 US-11-084-220-2 US-11-120-308-172 US-10-793-626-1244 US-10-793-626-1244 US-10-793-626-1244 US-10-793-626-1244 US-10-657-258-23 US-11-556-27 US-10-650-326B-23 US-10-650-326B-23 US-10-650-326B-33 US-10-977-749-3 US-10-878-556A-179 US-10-878-556A-179 US-11-087-749-3 US-11-055-554A-66 US-10-650-326B-21 US-10-650-326B-21 US-11-051-568-29 US-11-01-568-29 US-11-01-568-29 US-11-01-568-29 US-11-01-568-29 US-11-01-568-29 US-11-01-568-29 US-11-01-568-29 US-11-01-568-29 US-11-01-568-29 |
| 7 US-11-087-227-8 Sequence 8, VIS-10-192-450-6 Sequence 6, US-10-88-730-110 Sequence 6, US-10-88-730-110 Sequence 6, US-10-467-657-4196 Sequence 7, US-11-095-561-612 Sequence 7, US-11-095-561-612 Sequence 7, US-10-995-561-783 Sequence 10 US-10-995-561-783 Sequence 10 US-10-770-726-69 Sequence 5, US-10-770-726-69 Sequence 5, US-10-770-726-69 Sequence 5, US-10-995-561-545 Sequence 5, US-10-995-561-545 | 7 US-11-052-554A-223 Sequence 22 (US-10-467-657-2544 Sequence 22 (US-10-821-234-985 Sequence 23 (US-10-923-626-96 Sequence 3, US-11-085-775-3 Sequence 13 (US-10-793-626-1328 Sequence 12 (US-10-467-657-534 Sequence 22 (US-10-467-657-534 Sequence 22 (US-10-131-826A-388 Sequence 24 (US-10-131-826A-388 Sequence 34 (US-10-447-657-3420 Sequence 34 (US-10-447-657-657-3420 Sequence 34 (US-10-447-657-657-3420 Sequence 34 (US-10-447-657-4320 Sequence 3 | 6 US-10-485-517-218 Sequence 11 US-11-121-731A-3 Sequence 23 US-11-121-731A-3 Sequence 24 US-11-1069-642-42 Sequence 24 US-11-1069-642-24 Sequence 24 US-11-1069-642-24 Sequence 22 US-10-467-657-158 Sequence 22 US-10-525-674-6 Sequence 12 US-10-525-674-6 Sequence 14 US-10-989-313-4 Sequence 14 US-10-989-313-4 Sequence 24 US-11-185-230-2 Sequence 24 US-11-185-230-2 Sequence 27 US-11-185-230-2 | 6 US-10-467-657-2254 Sequence 22 (US-10-867-2254 Sequence 23 (US-10-85-674-4) Sequence 23 (US-10-85-674-4) Sequence 23 (US-10-392-234A-6) Sequence 19 (US-10-467-657-4118 Sequence 67 (US-10-995-561-518 Sequence 77 (US-11-095-561-518 Sequence 20 (US-10-497-135-19 Sequence 20 (US-10-497-135-19 Sequence 20 (US-11-108-239-220 Sequence 10 (US-11-108-528-68 Sequence 10 (US-11-108-528-68 Sequence 77 (US-11-108-528-70 Sequence 77 (US-1108-528-70 Sequence 77 (US-1 | 6 US-10-392-234A-46 Sequence 61 US-10-821-234-1626 Sequence 16 US-10-821-234-1626 Sequence 16 US-10-925-561-614 Sequence 17 US-11-075-185-13 Sequence 17 US-11-084-220-2 Sequence 17 US-11-120-308-172 Sequence 17 US-11-150-845-10 Sequence 17 US-11-150-845-10 Sequence 23 US-11-150-845-10 Sequence 23 US-11-150-845-10 Sequence 23 US-11-051-568-23 Sequence 31 US-11-051-568-24 Sequence 31 US-11-051-568-24 Sequence 37 US-11-051-558-25 Sequence 37 US-11-051-558-27 Sequence 37 US-11-051-558-27 Sequence 37 US-11-051-558-27 Sequence 37 US-11-051-558-27 Sequence 27 US-11-051-568-29 Sequence 27 US-11-051-258-29 Sequence 27 US-11-051-258-20 US-11-051-258-20 US-11-051-258-20 US-11-051-258-20 US-11-051-258-20 US-11-051-258-20 US-11-051-258-20 US-11-051-258-20 US-11-051-258-20 |
| 359 7 US-11-087-227-8 Sequence 8, 4 359 7 US-11-192-450-6 Sequence 6, 4 360 6 US-10-867-30-10 Sequence 6, 4 360 6 US-10-467-657-4196 Sequence 7, 4 361 6 US-10-467-657-7946 Sequence 7, 4 361 6 US-10-995-561-612 Sequence 7, 4 364 6 US-10-995-561-783 Sequence 21, 4 365 6 US-10-995-561-783 Sequence 7, 4 365 6 US-10-995-561-783 Sequence 17, 4 365 6 US-10-995-561-783 Sequence 6, 4 365 6 US-10-995-561-783 Sequence 6, 4 365 6 US-10-995-561-783 Sequence 6, 4 365 6 US-10-770-726-69 Sequence 5, 4 365 6 US-10-726-69 Sequence 6, 4 365 6 US-10-770-726-69 Sequence 6, 4 365 6 US-10-770-726-69 Sequence 5, 4 365 6 US-10-770-726-69 Sequence 5, 4 365 6 US-10-726-69 Sequence 5, 4 365 6 US-10-85-726-69 Sequence 5, 4 365 6 US-10-85-726-726-726-726-726-726-726-726-726-726 | 4 365 7 US-11-052-554A-223 Sequence 22 4 366 US-10-082-234-995 Sequence 22 4 368 7 US-10-82-234-995 Sequence 23 4 368 7 US-11-085-775-3 Sequence 3, 4 370 6 US-10-793-626-696 Sequence 13 4 370 6 US-10-793-626-1328 Sequence 13 4 372 6 US-10-467-657-5318 Sequence 22 4 372 6 US-10-467-657-2318 Sequence 22 4 373 6 US-10-131-826A-388 Sequence 24 373 6 US-10-131-826A-388 Sequence 34 374 6 US-10-467-657-3420 Sequence 34 374 6 US-10-467-657-657-657-657-657-657-657-657-657-6 | 4 376 6 US-10-485-517-218 Sequence 11 4 377 7 US-11-12-731A-3 Sequence 23 4 378 7 US-11-1826A-420 Sequence 23 4 378 7 US-11-069-642-4 Sequence 42 4 379 6 US-10-6858-730-22 Sequence 12 4 379 6 US-10-6858-730-22 Sequence 22 4 379 6 US-10-657-158 Sequence 22 4 379 6 US-10-525-674-6 Sequence 14 380 6 US-10-621-234-1459 Sequence 14 380 6 US-10-989-313-4 Sequence 14 380 7 US-11-185-230-2 Sequence 24 4 380 7 US-11-185-230-2 Sequence 24 4 380 7 US-11-185-230-2 Sequence 24 5 Sequence 24 5 Sequence 24 6 US-10-989-313-4 Sequence 25 6 US-10-989-313-4 Sequence 25 6 US-10-989-313-4 Sequence 25 | 4 381 6 US-10-467-657-2254 Sequence 22 4 382 6 US-10-888-730-23 Sequence 23 4 382 6 US-10-888-730-23 Sequence 23 4 382 7 US-11-134-795-19 Sequence 19 4 383 6 US-10-392-234A-6 Sequence 17 4 383 6 US-10-995-561-518 Sequence 7 4 384 6 US-10-995-561-518 Sequence 7 386 6 US-10-995-561-518 Sequence 20 4 388 7 US-11-082-389-220 Sequence 22 4 388 7 US-11-186-284-169 Sequence 16 389 7 US-11-186-284-169 Sequence 16 389 7 US-11-108-528-68 Sequence 68 4 389 7 US-11-108-528-78 Sequence 7 3 4 389 7 US-11-108-528-78 Sequence 7 3 4 3 4 5 US-11-108-528-78 Sequence 7 0 US-11-108-528-78 S | 4 394 6 US-10-392-234A-46 Sequence 61 394 6 US-10-392-234A-46 Sequence 16 395 (US-10-995-561-614 Sequence 16 395 7 US-11-075-185-13 Sequence 17 395 7 US-11-075-185-13 Sequence 17 395 7 US-11-084-20-2 Sequence 17 396 7 US-11-120-308-172 Sequence 17 398 6 US-10-467-657-5782 Sequence 17 398 6 US-10-467-657-5782 Sequence 17 398 7 US-11-51-56-27 Sequence 23 4 401 6 US-10-37-458-23 Sequence 31 4 401 7 US-11-051-568-179 Sequence 31 4 401 7 US-11-051-568-179 Sequence 37 4 401 7 US-11-051-568-179 Sequence 37 4 401 7 US-11-051-568-179 Sequence 37 4 402 6 US-10-50-3268-21 Sequence 27 4 402 6 US-10-50-3268-21 Sequence 27 4 402 7 US-11-084-624-22 Sequence 22 4 402 7 US-11-084-624-22 Sequence 22 |
| 2.4 359 7 US-11-087-227-8 Sequence 8, 2.4 359 7 US-11-192-450. Sequence 6, 2.4 360 6 US-10-858-730-110 Sequence 6, 2.4 360 6 US-10-955-81-812 Sequence 7, 2.4 361 6 US-10-995-561-612 Sequence 7, 2.4 361 6 US-11-095-551-612 Sequence 7, 2.4 364 6 US-11-052-554A-169 Sequence 22, 364 6 US-10-995-561-783 Sequence 7, 2.4 365 6 US-10-995-561-783 Sequence 7, 2.4 365 6 US-10-995-561-783 Sequence 5, 2.4 365 6 US-10-995-561-545 Sequence 5, 2.4 365 6 US-1 | 2.4 365 7 US-11-052-554A-223 Sequence 22 3 66 6 US-10-467-657-254 Sequence 22 3 66 6 US-10-81-234-985 Sequence 22 4 367 6 US-10-85-775-3 Sequence 3, 2, 4 370 6 US-10-793-626-696 Sequence 12 3, 4 371 6 US-10-793-626-1328 Sequence 12 4 372 6 US-10-467-657-5318 Sequence 22 4 372 6 US-10-467-657-2318 Sequence 22 4 373 6 US-10-13-826A-388 Sequence 36 2, 4 373 6 US-10-13-826A-388 Sequence 36 2, 4 373 6 US-10-13-826A-388 Sequence 36 2, 4 374 6 US-10-467-657-3120 Sequence 36 2, 4 374 6 US-10-467-657-3120 Sequence 37 6 US-10-467-657-3120 Sequence 34 374 6 US-10-467-657-314 5 US-10-467 | 2.4 376 6 US-10-485-517-218 Sequence 12 2.4 377 7 US-11-121-731A-3 Sequence 23 2.4 378 7 US-11-121-731A-3 Sequence 24 2.4 378 7 US-11-1069-642-24 Sequence 24 2.4 379 6 US-11-069-642-24 Sequence 22 2.4 379 6 US-11-068-642-24 Sequence 22 2.4 379 6 US-10-467-657-158 Sequence 22 2.4 379 6 US-10-467-657-158 Sequence 22 2.4 380 6 US-10-467-657-158 Sequence 14 2.4 380 6 US-10-467-657-234 Sequence 14 2.4 380 7 US-11-185-230-2 Sequence 24 2.4 380 7 US-11-185-230-2 Sequence 27 2.4 381 6 US-10-889-313-4 Sequence 27 2.4 381 6 US-10-889-313-4 Sequence 27 2.4 381 6 US-10-889-313-4 Sequence 27 | 2.4 381 6 US-10-467-657-2254 Sequence 22 2.4 382 6 US-10-888-70-23 Sequence 23 2.4 382 7 US-11-134-795-19 Sequence 19 2.4 383 7 US-11-392-234A-6 Sequence 19 2.4 383 6 US-10-95-561-518 Sequence 7, 2.4 384 6 US-10-995-561-518 Sequence 7, 2.4 388 7 US-11-092-168-7 Sequence 22 2.4 388 7 US-11-082-389-220 Sequence 22 2.4 389 7 US-11-186-284-169 Sequence 16 2.4 389 7 US-11-186-284-169 Sequence 16 2.4 389 7 US-11-1082-389-70 Sequence 16 2.4 389 7 US-11-108-528-68 Sequence 68 2.4 389 7 US-11-108-528-70 Sequence 7, 2.5 389 7 US-110-108-528-70 Sequence 7, 2.5 380 7 US-110-108-528-70 Sequence 7, 2.5 380 7 US-110-108-528-70 Sequence 7, 2 | 394 6 US-10-392-234A-46 395 6 US-10-392-234A-46 395 6 US-10-995-561-614 395 7 US-11-075-135-13 395 7 US-11-075-135-13 396 7 US-11-076-138-13 397 7 US-11-120-308-172 398 6 US-10-467-657-574 398 7 US-11-150-308-172 399 6 US-10-467-657-578 399 7 US-11-150-845-10 399 7 US-11-150-845-10 399 7 US-11-150-845-10 399 7 US-11-051-568-23 399 7 US-11-051-568-23 399 7 US-11-051-568-24 399 7 US-11-051-568-24 399 7 US-11-051-568-21 399 7 US-11-051-568-21 399 7 US-11-051-568-21 399 7 US-11-051-568-21 399 7 US-11-051-568-29 399 8 US-10-650-3268-29 399 8 US-11-051-568-29 |

| đ |
|----|
| ۵ |
| ሷ |
| a |
| Ĥ |
| ٠; |
| o |
| 8 |
| Ä. |
| ä |
| 7 |
| ٧. |
| ÷ |
| 4 |
| - |
| 5 |
| ~ |
| _ |
| • |
| 0 |
| 9 |
| 0 |
| ł |
| 0 |
| Н |
| ı |
| Ø |
| 26 |
| - |
| |

| | 0.4 | - ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0. 0 | | | | | |
|--|--|--|--|---|---|--|--|---|--|--|---|---|--|--|---|---|--|--|--|--|---|---------------------------------------|--|---|---|--|---|--|---|---|--|--|---|---|---|---|
| 4 4 2 2 7 | D Q | | | Ap | di | AP | App1 | App Ap | Ap Ap | P. C. | 10. | 11: | 1 d | 1 1 1 1 1 | rai ii | נמנ | 10,0 | Appl Appl | App App | App App | App | 110 | Appli | 4 4 | 100 | ď | 100 | 46 | too do | į į | ፭፭ | ď | id. | day | App | Y A |
| , Appl: 088, Al (088, | 3, AF | 60, J | Appli | 288, | 59, 7 | , 42 4, 6 | | à. | | 52, 7 | | | - | | 9, Appli | | Apr | 2, A | 3, | 14, 7 | | Apr | | , , 06 | API A | | (A) | | | | | | 92, | | | 158, |
| 9 9 9 9 9 9 4 61 42 62 62 | 9 9 9 | 00 00 0 4 4 4 | 190 | - O O | , m |) O O | 9 9 | 9 9 | ~ ~ | | י מי | 101 | m H | 0.00 | 9 1 | 44 | 4 4 | 6 6 6 | 99 | 99 | 9 9 | 40 to | 9 6 | n 9) | 9 6 19 6 | 9 6 | 000 | 11 (1) 12 (1) | 0.0 | 9 0 | 9 9 9 | e - | ים יוטו | a a | 9 6 6 | 9 6 6 |
| Sequenci Sequenci Sequenci Sequenci Sequenci | equenc | equenc | quenc | equenc | quenc | Sequenc | Sequenc | Sequenci | equenc | Sequence | Then | Sequence | Sequence | equence | sequence sequence | equence | quenc | equenc | equenc | equenc | equenc | Sequenc | Sequence | Sequenc | equenc | equence | quenc | equence | equenc | Sequenc | Sequenc | quenc | quenc | equenc | quen | quenc |
| 2000000 | S S S | S S S | Sec | S S | 8 8 8 | Soci | Seg | S S | S S | S S S | Soci | S C | Sec | Se Se | Sec | Sec | Sec | Sec | Sec | Sec. | Sec | S S | Sec | Sec | S S | Sec | S S S | S S | S S | Sec | S S | Se | S O | S S | S S S | S O C |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ω. | | , | , | m | | 4 | | 0 80 | | . ~ | | | | | | | | | | | | ď | , | 0 | | | | | | | | | | | | |
| -4- -208 -80 -80 | -106 -48 | -4 | -6 | -128 | -559 | 112 | 8 | m nu | 00 | n c | -27 | 7.7 | -18 | A-96 -88 | -89 | 444 | -44 | -28 | -380 | -314 -315 | -316 | -4 | -2 | A-49 | -52 | -24 | 282 | -30 | -20 | -293 | -519 | -26 | -582 | -588 | -262 | -115 |
| 0-845 7-657 1-098 3-528 | -647 | -517 | -349 -316 | -657 | -561 | -657 | -554 | -826, | -372 | -556 | -882 | -633 | -633 | -554, | -730 | -150 | -460 | -316 | -657 | -877 | -877 | -914 | -283 | -826 | -372 -372 | -372 | -372 | -3/2 | -856 | -730 | -561 -561 | -855 | -372 | -372 | -939 | -234 |
| -150 -467 -501 -873 | 0-524-647-10 | -152 | -149 -210 | -467 | -995 | -467 | -052 | -131 | -453 | -878 | -112 | -705 | -705 | -052 -858 | -858 -864 | -632 | -073 | -210 | -467 | -055 | -055 -453 | -060 | -646 | -131 | -453 -453 | -453 | -453 | -454 | -167 | -858 | -995 -995 | -118 | -453 | -453 | -517 | -821 |
| US-11 US-10 US-10 US-10 | US-10 US-11 | S-11-8 | S-11 S-11 | S-10 | 8-10 | S-10 | 8-11 | S-10 S-10 | S-10 | 8-10 | S-11 | S-10 | S-10 S-11 | S-11 S-10 | S-10 S-10 | S-10 | S-11 | S-11 S-11 | S-10 S-10 | S-10 | S-10 S-10 | S-11 | 8-10 | S-10 | US-10 US-10 | US-10 | S-10 | S-10 | S-11 S-10 | S-10 | S-10 S-10 | S-11 | S-10 | S-10 | US-10 | S-10 |
| , 6 6 6 4 2 4 6 6 6 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9999 | 111 | 133 | 133 | 215 | 915 | 100 | 20 | 222 | 233 | 4.0 | 22.0 | 27 | 27 | NN | NN | 2 2 | 20 | 6 6 | 2 | 9 | m m | m r | 3 100 1 | n m | 3 | സ | ገጠነ | 2 | 9 | 4. | 44 | 4. | 44 | 4 4 | 44 | * 4. |
| ហលលលល | , u, u, i | , ui c | , 4, 4 | | , 0, 0 | , , , | | un un | U) U | 1 111 11 | 1 41 1 | n u | u1 u1 | u) u) | | us us | u , u | 1 111 111 | u) u) | U) U) | u, u, | ט נט | 1 43 4 | 1) U) | u, u, | u , u | ., | J1 U1 | u, u | , u, (| u, u, | urt | 11 UI | u, u | , 4, 4 | ., ., . |
| 0.0.0.0.0 4.4.4.4.4 | 4.4. | 4 4 4 | 4.4 | 4.4 | 4.4 | 4.4.4 | 2 . 4 . 4 | 2 2 4 4 | 4. 4 | 4.4.4 | 4.4. | 2. 6. | 44 | 2 | 4. 4. | 4. 4. | 4.4 | 4.4 | 2 2 4 4 | 2.2 4.4 | 2.2 4.4 | 2.4 | 4.4 | 4. 4. | 2 2 4 4 | 4.4 | 4.4. | 2 C 4 4 | 2.4 | 4. | 2. 2 4. 4. | 4.6 | 4.4. | 4. 4 | 4.4.4 | 4.4. |
| . വ വ വ വ | | ח וח ו | n w w | . w w | י וער וי | ח נט ט | oιo | w w | n n | | o ro | വഗ | ហហ | ហហ | மம | n n | w w | າທຸທ | юю | ഗഗ | ഗ ഗ | יט וי | | n m | n n | ın ı | n .m : | лu | S C | ı nı | ഗഗ | ın ı | n m | ın ır | n un u | റഗ |
| | | | | | | | , | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ω ⊢ ໝ ຫ ⊂ | | m dr r | n 10 r | | . 0 - | 400 | J 44 | 9 | Γα | 900 |) ri (| 2 6 | 4+ rU | 9 1 | | 01 | | . 4π. π) | 9 6 | ω σ | . 0 -1 | 77.7 |) 4" L | n w | ۲ 8 | 0.0 | o н (| N M | 44 rū | וטו | ۲ ₈ | 0.0 | o н | 0 10 | ח יקדי וו | ופטח |
| 7.57.75 | 76 | 9,70 | 76 | 76 | | 7. | 77 | 77 | 77 | 7.7 | 7.00 | 78 | 78 | 78 | 78 | 79 | 79 | 794 | 79 | 79 | 808 | 80 | 888 | 8 8 | 808 | 80 | 8 6 | 818 | 81 | 18 | 81 81 | 81 | 8 8 | 820 | 8 6 | 8 6 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | • | | | | | | | | | | | | | | | | | | - | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | - | | | | | | | | | | | | | | | | | |
| opi Ap opi | Ap | 4pp 2p1 | dat. | 5001 | קינים: מינים: | 1111 | op1 | App oli | 4pp | 001 | day | Ap Ap | Арр Ар | App op1 | 201 301 | Ap pol | Ap | 100 100 | pp] | dq# dq# | day | | day | Ap Ap | ige Job | 011 | ddy | . ddh | pp1 | 0.00 t | App | day | oli opl | 100 1: | 111 | App oli |
| 2, Appl , Appli 121, Ap 9, Appl | 5, Appl 089, Ap | 76, App 6, Appl | 13, App 73, App 8. App | 4 | 6, Appl | Appli | 2, Appl | 94, App , Appli | 40, App | 3, Appl | 76, App | 12, APP 228, AP | 급급 | v. | App | 28, A | 784, Ap | 6, Appl 60. App | 0, Appl 816, Ap | 90, App 32, App | 73, App 28, App | Appli | 77, App | 31, App 808, Ap | 1, Appl 11. App | Appl | App. | 9, Ap | | 8, Ap | 4, Ap | 6, Ap | App. | | Appli | 36, App , Appli |
| 12, 11121 19, | 45, | 176, 26, | 373, 68. | 70, | , , , , , , , , , , , , , , , , , , , | , 80 - | ce 13, Appl | ce 194, App ce 1, Appli | 340, 46 | 23, | 176, | 412, | 261, 4918 | 276, 22, | 12, App 298, Ap | 6328, A | 19 5 | 5,66 | 94 | 9 4 | 2 2 | . ~` √ | - 60 (| 5 6 | 22 | 7, Appl | 410, App | 129, Ap 3, Appl | 18 | 328, Ap | 594, Ap | 986, Ap | 8, 68, | 14, | , 6, 6 | 3 7 |
| 2, 2 2, 3 1121 19, | 45, | 176, 26, | 373, 68. | 70, | , , , , , , , , , , , , , , , , , , , | , 80 - | quence 13, Appl quence 12, Appl | quence 194, App quence 1, Appli | 340, 46 | 23, | 176, | 412, | 261, 4918 | 276, 22, | 12, App 298, Ap | 6328, A | 19 5 | 5,66 | 94 | 9 4 | 2 2 | . ~` √ | - 60 (| 5 6 | 22 | 7, Appl | 410, App | 129, Ap 3, Appl | 18 | 328, Ap | 594, Ap | 986, Ap | 8, 68, | 14, | , 6, 6 | 3 7 |
| 2, 4 1121 19, | 45, | 176, 26, | 373, 68. | 70, | , , , , , , , , , , , , , , , , , , , | , 80 - | Sequence 13, Appl Sequence 12, Appl | Sequence 194, App Sequence 1, Appli | 340, 46 | 23, | 176, | 412, | 261, 4918 | 276, 22, | 12, App 298, Ap | 6328, A | 19 5 | 5,66 | 94 | 9 4 | 2 2 | . ~` √ | - 60 (| 5 6 | 22 | 7, Appl | 410, App | 129, Ap 3, Appl | 18 | 328, Ap | 594, Ap | 986, Ap | 8, 68, | 14, | , 6, 6 | 3 7 |
| 2, 4 1121 19, | 45, | 176, 26, | 373, 68. | 70, | , , , , , , , , , , , , , , , , , , , | , 80 - | Sequence 13, Appl | Sequence 194, App Sequence 1, Appli | 340, 46 | 23, | 176, | 412, | 261, 4918 | 276, 22, | 12, App 298, Ap | 6328, A | 19 5 | 5,66 | 94 | 9 4 | 2 2 | . ~` √ | - 60 (| 5 6 | 22 | 7, Appl | 410, App | 129, Ap 3, Appl | 18 | 328, Ap | 594, Ap | 986, Ap | 8, 68, | 14, | , 6, 6 | 3 7 |
| Sequence 12, Sequence 12, A Sequence 19, Sequence 19, | Sequence 45, Sequence 1089 | Sequence 176, Sequence 26, | Sequence 313, Sequence 373, Sequence 68. | Sequence 70, | Sequence 66, | Sequence 3, A | | | Seguence 340, | Sequence 13, | Sequence 176, | Sequence 412, Sequence 4228 | Seguence 261, Seguence 4916 | Sequence 276, Sequence 22, | Sequence 12, App Sequence 298, App | Sequence 6328, A | Sequence 67 | Sequence 56 | Sequence 40 Sequence 68 | Sequence 95 | Sequence 27 | Sequence 1, | Sequence 87 | Sequence 25 | Sequence 21 Sequence 61 | Sequence 7, Appl | Sequence 410, Apr | Sequence 129, Ap Sequence 3, Appl | Seguence 18, | Sequence 328, Apr | Sequence 594, Ap | Sequence 986, Apr | Sequence 8, Sequence 68, | Sequence 14, | Sequence 2, | Sequence 136 Sequence 3, |
| Sequence 12, Sequence 2, A Sequence 1121 Sequence 19, | Sequence 45, Sequence 1089 | Sequence 176, Sequence 26, | Sequence 313, Sequence 373, Sequence 68. | Sequence 70, | Sequence 66, | Sequence 3, A | | | Seguence 340, | Sequence 13, | Sequence 176, | Sequence 412, Sequence 4228 | Seguence 261, Seguence 4916 | Sequence 276, Sequence 22, | Sequence 12, App Sequence 298, App | Sequence 6328, A | Sequence 67 | Sequence 56 | Sequence 40 Sequence 68 | Sequence 99 | Sequence 27 | Sequence 1, | Sequence 87 | Sequence 25 | Sequence 21 Sequence 61 | Sequence 7, Appl | Sequence 410, Apr | Sequence 129, Ap Sequence 3, Appl | Seguence 18, | Sequence 328, Apr | Sequence 594, Ap | Sequence 986, Apr | Sequence 8, Sequence 68, | Sequence 14, | Sequence 2, | Sequence 136 Sequence 3, |
| Sequence 12, Sequence 2, A Sequence 1121 Sequence 19, | Sequence 45, Sequence 1089 | Sequence 176, Sequence 26, | Sequence 313, Sequence 373, Sequence 68. | Sequence 70, | Sequence 66, | Sequence 3, A | | | Seguence 340, | Sequence 13, | Sequence 176, | Sequence 412, Sequence 4228 | Seguence 261, Seguence 4916 | Sequence 276, Sequence 22, | Sequence 12, App Sequence 298, App | Sequence 6328, A | Sequence 67 | Sequence 56 | Sequence 40 Sequence 68 | Sequence 99 | Sequence 27 | Sequence 1, | Sequence 87 | Sequence 25 | Sequence 21 Sequence 61 | Sequence 7, Appl | Sequence 410, Apr | Sequence 129, Ap Sequence 3, Appl | Seguence 18, | Sequence 328, Apr | Sequence 594, Ap | Sequence 986, Apr | Sequence 8, Sequence 68, | Sequence 14, | Sequence 2, | Sequence 136 Sequence 3, |
| Sequence 2, A Sequence 1121 Sequence 19, Sequence 19, | Sequence 45, Sequence 1089 | Sequence 176, Sequence 26, | Sequence 313, Sequence 373, Sequence 68. | Sequence 70, | Sequence 66, | Sequence 3, A | | | Seguence 340, | Sequence 13, | Sequence 176, | Sequence 412, Sequence 4228 | Seguence 261, Seguence 4916 | Sequence 276, Sequence 22, | Sequence 12, App Sequence 298, App | Sequence 6328, A | Sequence 67 | Sequence 56 | Sequence 40 Sequence 68 | Sequence 99 | Sequence 27 | Sequence 1, | Sequence 87 | Sequence 25 | Sequence 21 Sequence 61 | Sequence 7, Appl | Sequence 410, Apr | Sequence 129, Ap Sequence 3, Appl | Seguence 18, | Sequence 328, Apr | Sequence 594, Ap | Sequence 986, Apr | Sequence 8, Sequence 68, | Sequence 14, | Sequence 2, | Sequence 136 Sequence 3, |
| Sequence 2, A Sequence 1121 Sequence 19, Sequence 19, | Sequence 45, Sequence 1089 | Sequence 176, Sequence 26, | Sequence 313, Sequence 373, Sequence 68. | Sequence 70, | Sequence 66, | Sequence 3, A | | | Seguence 340, | Sequence 13, | Sequence 176, | Sequence 412, Sequence 4228 | Seguence 261, Seguence 4916 | Sequence 276, Sequence 22, | Sequence 12, App Sequence 298, App | Sequence 6328, A | Sequence 67 | Sequence 56 | Sequence 40 Sequence 68 | Sequence 99 | Sequence 27 | Sequence 1, | Sequence 87 | Sequence 25 | Sequence 21 Sequence 61 | Sequence 7, Appl | Sequence 410, Apr | Sequence 129, Ap Sequence 3, Appl | Seguence 18, | Sequence 328, Apr | Sequence 594, Ap | Sequence 986, Apr | Sequence 8, Sequence 68, | Sequence 14, | Sequence 2, | Sequence 136 Sequence 3, |
| US-10-0453-372-2 Sequence 2, A US-10-453-372-2 Sequence 2, A US-11-108-172-1121 Sequence 1121 US-11-12-882-19 Sequence 19, US-10-518-2704-25 Sequence 29, | US-11-137-465-45 Sequence 45, US-10-821-234 1089 Sequence 1089 | US-11-120-308-176 . Sequence 176, US-10-618-320A-26 . Sequence 26, TE 176, US-10-618-320A-26 . Sequence 26, US-10-618-320A-26 | US-110-5935-391-013 Sequence 013, US-11-052-554A-373 Sequence 373, US-110-508-263-68 Sequence 68 | US-10-508-263-70 Sequence 70, | US-110-763-712A-66 Sequence 257, 112A-66 Sequence 66, 112A-66 Sequence 66, 113-12A-66 Sequence 66, 113-12A-67 | US-10-800-501-5 US-10-882-545-8 Sequence 8, P | US-11-102-240-13 US-11-102-240-12 | US-11-120-308-194 US-10-618-320A-1 | US-10-454-437-340 Seguence 340, IIS-11-055-822-46 | US-11-102-882-35 Sequence 23, restrict 23, r | US-11-082-389-176 Sequence 176, | US-11-082-389-412 Sequence 412, US-10-467-657-4228 Sequence 4228 | US-11-052-554A-261 Sequence 261, US-10-467-657-4918 Sequence 4916 | US-10-517-939-276 Sequence 276, US-11-052-554A-22 Sequence 22, | US-11-054-385-12 Sequence 12, App US-10-467-657-298 Sequence 298, App | US-10-467-657-6328 Sequence 6328, A | US-10-467-657-6784 Sequence 67 | US-10-689-742-66 Sequence 56 US-10-689-742-66 Sequence 56 | US-11-137-465-40 Sequence 40 US-10-467-657-6816 Sequence 66 | US-10-453-372-990 Sequence 99 US-11-082-389-432 Sequence 43 | US-11-000-463-273 Sequence 27 US-10-131-826A-528 Sequence 52 | US-10-984-376-1 Sequence 1, | US-10-901-379-4 | US-10-055-877-231 Sequence 22 US-10-793-626-2808 Sequence 28 | US-11-205-109-21 Sequence 21 US-10-995-561-611 Sequence 61 | US-10-971-560-7 Sequence 7, Appl | US-11-143-980-54 Sequence 54, App | US-11-165-226-129 Sequence 129, Ap US-11-037-829A-3 Sequence 3, Appl | US-11-122-144-18 Sequence 18, 113-10-508-261-94 | US-10-517-939-328 Sequence 328, Apr | US-10-467-657-594 Sequence 594, Ap. US-10-860-501-4 Sequence 4, Appl | US-10-453-372-986 Sequence 986, Ap | US-11-134-563-8 Sequence 8, US-10-763-712A-68 Sequence 68, | US-11-122-795-14 Sequence 14, | US-11-150-845-2 Sequence 2, US-10-878-556A-2 Sequence 2, 15.10-878-556A-2 | US-11-186-541-3 Sequence 136 |
| 6 US-10-0659-9/4-12 Sequence 12, 6 US-10-453-372-2 Sequence 2, A 7 US-11-108-172-1121 Sequence 1121 7 US-11-112-882-19 Sequence 19, 6 US-10-618-370A-25 Sequence 29, | 7 US-11-137-465-45 Sequence 45, 6 US-10-821-234-1089 Sequence 1089 | (US-11-120-308-176 . Sequence 176, 6 US-10-618-3208-26 Sequence 26, 6 US-10-618-3208-26 Sequence 26, 6 US-10-10-10-10-10-10-10-10-10-10-10-10-10- | ous-10-593-591-913 sequence 373, 7 US-11-052-554A-373 Sequence 373, 6 US-10-508-263-68 | 6 US-10-508-263-70 Sequence 70, | 6 US-11-022-03A-66 Sequence 221, 6 Its. 10-060-601 | 6 US-10-880-301-3 Sequence 5, 46 US-10-882-56 Sequence 8, 8 C T US-10-982-545 Sequence 8, 8 C US-10-982-98 | 0 US-1U-982-545-13 7 US-11-102-240-12 | 7 US-11-120-308-194 6 US-10-618-320A-1 | 6 US-10-454-437-340 Seguence 340, 7 HS-11-055-822-46 | 7 US-11-102-882-23 Sequence 23, 6 HE-10-012-862-162 | 7 US-11-082-389-176 Sequence 176, | 7 US-11-082-389-412 Sequence 412, 6 US-10-467-657-4228 Sequence 4228 | 7 US-11-052-554A-261 Sequence 261, 6 US-10-467-657-4918 Sequence 4916 | 6 US-10-517-939-276 Sequence 276, 7 US-11-052-554A-22 Sequence 22, | 7 US-11-054-385-12 Sequence 12, App 6 US-10-467-657-298 Sequence 298, App | 6 US-10-467-657-6328 Sequence 6328, A | 6 US-10-467-657-6784 Sequence 67 | 6 US-10-10-10-10-10-10-10-10-10-10-10-10-10- | 7 US-11-137-465-40 Sequence 46 US-10-467-657-6816 Sequence 68 | 6 US-10-453-372-990 Sequence 99 | 7 US-11-000-463-273 Sequence 27 US-10-131-826A-528 Sequence 52 | 6 US-10-984-376-1 Sequence 1, | 6 US-10-921-234-877 Sequence 87 | 6 US-10-055-877-231 Sequence 23 6 US-10-793-626-2808 Sequence 28 | 7 US-11-205-109-21 Sequence 21 6 US-10-995-561-611 Sequence 61 | 6 US-10-971-560-7 Sequence 7, Appl | / US-11-143-980-54 Sequence 54, App 6 US-10-454-437-410 Sequence 410, App | 7 US-11-165-226-129 Sequence 129, Ap 7 US-11-037-829A-3 Sequence 3, Appl | 7 US-11-122-144-18 Sequence 18, 6 US-10-508-261-94 Semi-ence 94, | 6 US-10-517-939-328 Sequence 328, Apr | 6 US-10-467-657-594 Sequence 594, Ap 6 US-10-860-501-4 Sequence 4, Appl | 6 US-10-453-372-986 Sequence 986, Ap | 7 US-11-134-563-8 Sequence 8, 6 US-10-763-712A-68 Sequence 68, | 7 US-11-122-795-14 Sequence 14, | / US-11-15U-845-2 Sequence 2, 6 US-10-848-556A-2 Sequence 2, 7 US-10-845-5 Sequence 2, 7 US-10-10-10-10-10-10-10-10-10-10-10-10-10- | 7 US-11-186-541-3 Sequence 136 |
| 6 US-10-065/974-12 Sequence 12, 05 US-10-453-372-2 Sequence 2, A 7 US-11-108-172-1121 Sequence 1121 7 US-11-112-882-19 Sequence 19, US-110-618-370A-25 Sequence 29, | 7 US-11-137-465-45 Sequence 45, 6 US-10-821-234-1089 Sequence 1089 | (US-11-120-308-176 . Sequence 176, 6 US-10-618-3208-26 Sequence 26, 6 US-10-618-3208-26 Sequence 26, 6 US-10-10-10-10-10-10-10-10-10-10-10-10-10- | ous-10-593-591-913 sequence 373, 7 US-11-052-554A-373 Sequence 373, 6 US-10-508-263-68 | 6 US-10-508-263-70 Sequence 70, | 6 US-11-022-03A-66 Sequence 221, 6 Its. 10-060-601 | 6 US-10-880-301-3 Sequence 5, 46 US-10-882-56 Sequence 8, 8 C T US-10-982-545 Sequence 8, 8 C US-10-982-98 | 0 US-1U-982-545-13 7 US-11-102-240-12 | 7 US-11-120-308-194 6 US-10-618-320A-1 | 6 US-10-454-437-340 Seguence 340, 7 HS-11-055-822-46 | 7 US-11-102-882-23 Sequence 23, 6 HE-10-012-862-162 | 7 US-11-082-389-176 Sequence 176, | 7 US-11-082-389-412 Sequence 412, 6 US-10-467-657-4228 Sequence 4228 | 7 US-11-052-554A-261 Sequence 261, 6 US-10-467-657-4918 Sequence 4916 | 6 US-10-517-939-276 Sequence 276, 7 US-11-052-554A-22 Sequence 22, | 7 US-11-054-385-12 Sequence 12, App 6 US-10-467-657-298 Sequence 298, App | 6 US-10-467-657-6328 Sequence 6328, A | 6 US-10-467-657-6784 Sequence 67 | 6 US-10-10-10-10-10-10-10-10-10-10-10-10-10- | 7 US-11-137-465-40 Sequence 46 US-10-467-657-6816 Sequence 68 | 6 US-10-453-372-990 Sequence 99 | 7 US-11-000-463-273 Sequence 27 US-10-131-826A-528 Sequence 52 | 6 US-10-984-376-1 Sequence 1, | 6 US-10-921-234-877 Sequence 87 | 6 US-10-055-877-231 Sequence 23 6 US-10-793-626-2808 Sequence 28 | 7 US-11-205-109-21 Sequence 21 6 US-10-995-561-611 Sequence 61 | 6 US-10-971-560-7 Sequence 7, Appl | / US-11-143-980-54 Sequence 54, App 6 US-10-454-437-410 Sequence 410, App | 7 US-11-165-226-129 Sequence 129, Ap 7 US-11-037-829A-3 Sequence 3, Appl | 7 US-11-122-144-18 Sequence 18, 6 US-10-508-261-94 Semi-ence 94, | 6 US-10-517-939-328 Sequence 328, Apr | 6 US-10-467-657-594 Sequence 594, Ap 6 US-10-860-501-4 Sequence 4, Appl | 6 US-10-453-372-986 Sequence 986, Ap | 7 US-11-134-563-8 Sequence 8, 6 US-10-763-712A-68 Sequence 68, | 7 US-11-122-795-14 Sequence 14, | / US-11-15U-845-2 Sequence 2, 6 US-10-848-556A-2 Sequence 2, 7 US-10-845-5 Sequence 2, 7 US-10-10-10-10-10-10-10-10-10-10-10-10-10- | 7 US-11-186-541-3 Sequence 136 |
| 445 6 US-10-067-974-12 Sequence 12, 4 445 6 US-11-0453-372-2 Sequence 2, A 446 7 US-11-108-172-1121 Sequence 1121, 4 446 7 US-11-12-882-19 Sequence 19, 4 44 7 US-11-18-182-19 | .4 448 7 US-11-137-465-45 Sequence 45, 4 449 6 US-10-821-234-1089 Sequence 1089 | 4 450 6 US-11-120-508-176 Sequence 176, | 450 7 US-11-052-591-013 Sequence 013, 4 450 7 US-11-052-554A-373 Sequence 373, 451 6 US-10-508-263-68 Sequence 68. | .4 451 6 US-10-508-263-70 Sequence 70, | 4 456 6 US-11-036-034-66 Sequence 66, | .4 457 6 US-10-980-591-5 Sequence 8, p | .4 457 7 US-11-102-240-12 | .4 457 7 US-11-120-308-194 .4 458 6 US-10-618-320A-1 | .4 458 6 US-10-454-437-340 Seguence 340, 4 459 7 HS-11-055-822-46 Semience 46 | 4 459 7 US-11-032-042-34 Sequence 23, 4 451 7 US-10-012-882-23 Sequence 23, 4 451 7 US-10-012-EEEA-162 | .4 461 7 US-11-082-389-176 Sequence 106, | .4 462 / US-11-082-389-412 Sequence 412, .4 463 6 US-10-467-657-4228 Sequence 4228 | .4 463 7 US-11-052-554A-261 Sequence 261, .4 464 6 US-10-467-657-4918 Sequence 491E | .4 466 6 US-10-517-939-276 Sequence 276, 4 466 7 US-11-052-554A-22 Sequence 22, | .4 468 7 US-11-054-385-12 Sequence 12, App. 4 473 6 US-10-467-657-298 Sequence 298, App. | .4 473 6 US-10-467-657-6328 Sequence 6328, A | 4 481 6 US-10-467-657-6784 Sequence 67 | .4 482 6 US-10-895-742-66 Sequence 56 | .4 483 7 US-11-137-465-40 Sequence 40.44 484 6 US-10-467-657-6816 Sequence 66 | .4 485 6 US-10-453-372-990 Sequence 99 | .4 486 7 US-11-000-463-273 Sequence 274 487 6 US-10-131-826A-528 Sequence 52 | .4 488 6 US-10-984-376-1 Sequence 1, | .4 488 6 US-10-201-234-877 Sequence 87 | .4 488 6 US-10-US-877-231 Sequence 2: .4 491 6 US-10-793-626-2808 Sequence 28 | .4 491 7 US-11-205-109-21 Seguence 21 .4 493 6 US-10-995-561-611 Seguence 63 | 4 494 6 US-10-971-560-7 Sequence 7, Appl | .4 497 6 US-10-454-437-410 Sequence 34, App. | .4 497 7 US-11-165-226-129 Sequence 129, Ap. .4 498 7 US-11-037-829A-3 Sequence 3, Appl | .4 498 7 US-11-122-144-18 Sequence 18, | .4 499 6 US-10-517-939-328 Sequence 328, Apr | .4 500 6 US-10-467-657-594 Sequence 594, Ap. ,4 500 6 US-10-860-501-4 Sequence 4, Appl | .4 501 6 US-10-453-372-986 Sequence 986, Ap | .4 501 7 US-11-134-563-8 Sequence 8, .4 502 6 US-10-763-712A-68 Sequence 68, | .4 502 7 US-11-122-795-14 Sequence 14, | .4 502 / 05-11-150-8455-2 Sequence 2, 503 6 US-10-878-556A-2 Sequence 2, 504-516-516-516-516-516-516-516-516-516-516 | .4 504 7 US-11-186-541-3 Sequence 136 |
| . 4.12 · | 2.4 448 7 US-11-137-465-45 Sequence 45, 2.4 449 6 US-10-821-234-1089 Sequence 1089 | 2.4 449 / US-11-120-308-176. Sequence 176, | 2.4 451 6 IIS-10-508-253-68 Sequence 313, 2.4 451 F IIS-10-508-263-68 Sequence 68. | 2.4 451 6 US-10-508-263-70 Sequence 70, | 2.4 455 6 US-11-022-3348-66 Sequence 66, 2-4 456 6 IG-10-068-6712A-66 Sequence 66, 2-4 456 IG-10-068-67-68 | 2.4 430 6 03-10-900-301-3 Sequence 3, A 57 6 110-902-345-8 Sequence 8, D 7 457 6 110-903-845-8 | 2.4 457 7 US-11-102-240-12 | 2.4 457 7 US-11-120-308-194 2.4 458 6 US-10-618-320A-1 | 2.4 458 6 US-10-454-437-340 Seguence 340, 2 4 459 7 HS-11-055-822-46 Semience 46 | 2.4 459 7 US-11-12-882-23 Sequence 23, 2 451 F US-11-112-882-23 Sequence 23, 2 451 F US-10-979-FEER-163 | 2.4 461 7 US-11-082-389-176 Sequence 176, | 2.4 462 7 US-11-082-389-412 Sequence 412, 2.4 463 6 US-10-467-657-4228 Sequence 4228 | 2.4 463 7 US-11-052-554A-261 Sequence 261, 2.4 464 6 US-10-467-657-4918 Sequence 491E | 2.4 466 6 US-10-517-939-276 Sequence 276, 2.4 466 7 US-11-052-554A-22 Sequence 22, | 2.4 468 7 US-11-054-385-12 Sequence 12, App 2.4 473 6 US-10-467-657-298 Sequence 298, App | 2.4 473 6 US-10-467-657-6328 Sequence 6328, A | 2.4 481 6 US-10-467-657-6784 Sequence 67 | 2.4 482 6 US-10-695-561-560 Sequence 56 | 2.4 483 7 US-11-137-465-40 Sequence 40 2.4 484 6 US-10-467-657-6816 Sequence 60 | 2.4 485 6 US-10-453-372-990 Sequence 99 | 2.4 486 7 US-11-000-463-273 Sequence 27 2.4 487 6 US-10-131-826A-528 Sequence 52 | 2,4 488 6 US-10-984-376-1 Sequence 1, | 2.4 488 6 US-10-304-377 Sequence 87 | 2.4 488 6 US-10-U55-8/7-231 sequence 2: 2.4 491 6 US-10-793-626-2808 Sequence 28 | 2.4 491 7 US-11-205-109-21 Sequence 21 2.4 493 6 US-10-995-561-611 Sequence 61 | 2.4 494 6 US-10-971-560-7 Sequence 7, Appl | 2.4 497 6 US-10-454-437-410 Sequence 410, App | 2.4 497 7 US-11-165-226-129 Sequence 129, Ap. 2.4 498 7 US-11-037-829A-3 Sequence 3, Appl | 2.4 499 7 US-11-122-144-18 Sequence 18, 2 4 499 6 US-10-508-251-94 Semience 94, | 2.4 499 6 US-10-517-939-328 Sequence 328, Apr | 2.4 500 6 US-10-467-657-594 Sequence 594, Ap. 2.4 500 6 US-10-860-501-4 Sequence 4, Appl | 2.4 501 6 US-10-453-372-986 Sequence 986, Ap | 2.4 501 7 US-11-134-563-8 Sequence 8, 2.4 502 6 US-10-763-712A-68 Sequence 68, | 2.4 502 7 US-11-122-795-14 Seguence 14, | 2.4 502 / 0S-11-150-845-2 Sequence 2, | 2.4 504 7 US-11-US5-8ZZ-136 Sequence 136 2.4 504 7 US-11-186-541-3 Sequence 3, |

| | b] | 8 G | : : : : | , <u>G</u> , | -1- | | | ⊣ 6 | 2,ι | ο. | ο. α | ո ո | | _ | | | | _ | | ٥ | α ρ | ა. ი. | Q. | | | | | | | | | | | | | | | | | n. 0 | . Ω. | | n. 0 | _ | _ | | | | | | Ω. |
|--|--|---|--|--|---|---------------------------------------|---------------------------------------|--|--|--|--|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|--|--|---|--|--|---|---------------------------------------|--|--|---|--|--|---|---|--|---------------------------------------|---------------------------------------|--|--------------------------------------|---------------------------------------|--|--|--|--|--------------------------------------|---|---|---------------------------------------|--|------------------------------------|--|--------------------------------------|--|---|---------------------------------------|
| App App | Ω, | 4 0 | O, C | Σ~ | 8 | 70 | d | d a | ď | Æ. | A A | Ap | ď | Api | g a | r A | Ap A | App | dd | Api | P P | A P | A | 2 6 | pp] | 12.0 | 110 | Ap. | יון מ הון מ | 52 | g a | T dd | d b | dd d | d | dd | 10. | [dc | G à | į | Q. | d | 20 | ; <u>j</u> | d i | 100 | Ap | 77 | AD | Ap. | Æ |
| 1156, Ap | 80, A | , A | A Ap | 481 | æ .c | 10 | 0 | A | 2.7 | 432, | 528, | 78 | Α, | 61, | 4, 0 | 510, | 99, | 70, | 4, A | 99 | 4 06 | 95, | 32, | (A | 2, A | A A | A S | 286, | d A | 7 A | 4, | . a | . A | 2, 4 E. 9 | . Y | 9, A | Ap. | 9, | 9, A | 73, 1 | 90 | , , | 17, 7 | 17, | 18, 4 | 7, 7, | 008, | , Apr | , APE 027, | 197, | 300, |
| 000 | ŭ | 8 8 | 9 6 | מנ | 9 6 | ט ע נו נו | 8 | 8 8 | 9 6 | 8 | 8 6 | 9 8 | ĸ | 8 | e e | אַ נ | , e | e e | ä | 9 8 | 9 9 | 2 8 | 9 0 | אַנא | e, | 9, 9 | א א | e, | 9 9 | , e | 9 | n 9 | ė | ρŅ | , w | ė, | e e | ė, | Ö è | i o | ĕ | o o | ńά | ψ | e i | ກຸຍຸ | Ó | 9 9 | ກຸ່ຍ | ě | ø |
| Sequen | equen | edne | eque | edne | eque | eque | edne | edne | eque | eque | edne | eque | equen | edne | eque | מלותב | edne | eque | edne | eque | eque | eque | eque | eque | eque | eque | eque | eque | eque | eque | eque | eque | equence | equer | equer | equer | equenc | equer | equer | equer | equer | equer | eguer | equer | equenc | ednenc | equer | equer | equenc | equer | equer |
| ശശശ | S) (| n co | y) (y) | o co e | co co | າ ທ | S) (| ט מ | ິດ | S) (| co, co | ວທ | S | S) C) | שמ | n c | ່ວ | S | S) (| ເນ ເ | ກ ທ | လ | co c | ດ ທ | S | ທິດ | າທ | S | ຜ | o vo | S) C | ກທ | S) (| ט מ | מי נ | O) (| נט נט | Ö | O) O | ΩÓ | σ̈́ | Ďΰ | ກັບັນ | Ö, | ທິ ທິ | מׁ מֿ | Š | ώĊ | ດັດ | Š | Š |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11-150-845-20 10-453-372-1156 10-131-826A-190 | 80 | 134 | 2 5 | 1481 | 18 | 18 | 30 | 57.5 | 222 | 5432 | 1528 | 578 | 40 | 961 | 4930 | 1519 | 189 | -370 | 44 | 268 | 190 | 695 | 132 | 22 | 22 | ~ ~ | * 6 | 1286 | <u>ه</u> د | 17 | 14 | 9 1 | 20 | 2.2 | 37 | 99 | o m | 59 | 10 | 573 | 306 | 705 | 117 | 317 | 318 | -101 | 2008 | 6 ر | 1027 | 1197 | 1300 |
| -845 -372- | -176- | -244- | -545- | -234- | -735- | -077- | -109- | -103 | -080- | -657- | -234- | 372- | -240- | -234- | 657- | - 234- | -960- | -826A | -437- | 372 | -960- | -561- | -240- | 845- | -819- | -801- | 801- | -234- | 801- | 801- | -801- | 801- | -801- | -108 | 801- | 801- | 011- | 802- | 586- | 561- | 877- | -//8 | 877- | 877- | 877- | 962B | 657- | 121- | 234- | 234- | -652- |
| -150 | -074 | -136 | -982 | -821 | -078 | -103 | -205 | -205- | -070- | -467 | -821 | -453 | -102 | -821 | -150 | - 82 | -491 | -131 | -454 | -453 | -8/3- | -995 | -102 | -150 | -198. | -192 | -192 | -821- | -192- | -192- | -192 | -192 | -192- | -192- | -192- | -192- | -510 - 110 | -045 | -094- | 995- | -055- | 200 | -055- | -055- | -055- | -467- | -467- | -067 | -821- | -821- | -467- |
| US-11 US-10 US-10 | JS-11 | JS-10 | JS-10 IS-11 | JS-10 | JS-11 JS-11 | 38-11 | JS-11 | 15-11 18-10 | 35-11 | 35-10 | 35-10 15-10 | 18-10 | 13-11 | 15-10 | 11-21 | 01-01 | 18-10 | 13-10 | 18-10 | S-10 | 18-10 | S-10 | 11-51 | S-11 | IS-11 | S-11 | 11-5 | S-10 | S-11 | 11-8 | IS-11 | S-11 | S-11 | S-11 | S-11 | S-11 | S-10 | S-11 | S-11 S-10 | S-10 | S-10 | 01-0 | 01-8 | 8-10 | S-10 | 11-8 | 8-10 | S-11 | S-10 | S-10 | 8-10 |
| 0 6 9 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 609 612 613 | 614 | 615 | 617 | 618 | 618 | 618 | 619 | 619 | 622 | 627 | 623 | 629 | 632 | 637 | 638 | 641 | 641 | 642 | 642 | 642 | 646 | 646 | 649 | 649 | 651 | 652 | 652 | 653 | 653 | 653 | 653 | 653 | 653 | 653 | 653 | 653 | 654 654 | 655 | 655 655 | 629 | 664 | 669 | 675 | 675 | 675 | 680 | 680 | 681 | 686 | 687 | 607 |
| 4 4 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4. | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ստատ | ιΩ | വം | տտ |) LO I | n n | חנח | IO I | ո տ | 'n | ហ | ກແ | n LO | Ŋ | ı, | ո տ | ո տ | , ru | ιΩ | TÜ I | LO U | חח | S | IO II | n n | S) | n n | വ | L) | n n | , ro | r) r | nυ | ın ı | n u | n ru | L) I | വ വ | LO: | n u | າທ | ro i | Λu | n n | ומו | LO L | n m | ı vo | ın u | വ | , ro | t |
| . Ε 4. Ω | 9 5 | . 8 | <u>ه</u> د | :=: | | j 4. | rúκ | ء ہ | . 00 | <u>م</u> و | 2 - | ! 23 | m | 4. 7 | ַ עַ | 0 1 | . 00 | 9 | ، ب | ٠, د | 'nω | 4 | ı, u | ۰, | 80 (| o, c | > ++ | ~ | w 4 | · rv | 9 1 | ~ 60 | О (| - C | + ~ | ო • | 4 ru | 9 | ν α | o | ٥, | ٦, | 4 M | 4" | ıs v | ۰ ۵ | . ao | o c | > r-1 | 1 (2) | |
| 9 9 9 9 0 9 1 4 8 | 9 9 | 99 | 2 6 | . 6. | 2 2 | 3 23 | 6.5 | 2 6 | 2 2 | 6 | 200 | . 6 | 8 | 9 9 | 2 6 | 9 6 | 92 | 92 | 6 | 9 9 | ט ע ט א | 93 | 8 6 | 9 6 | 93 | g 9 | 9 | 46 | 9 9 | . 6 | 94 | y Q | 40 | 2. Q | 95 | 95 | 9 9 | 95 | 9 9 | 9 6 | 96 | 2 0 | y.Q | 96 | 96 | 9 6 | 96 | 96 | y 0, | 9.7 | ć |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | - | | | _ | | _ | | | | | | | | | | | | | | | | | | | | | | , | | | | | | | | | | | | | | | | | _ |
| | | | | • | | | | | - | _ | | _ | | _ | | | | | | | | | | | | | | | | | | - | | | , | | | | | | | | | | | | | | | | |
| Ap Ap | App | App | Ap | App | App Appl | lgg. | lpp1 | App | App | App | Ap Ap | pli | pli | pli | ind. | | App | App | Ap. | App | App | Ap | lgg. | App | App | Ap Ann | App | App | App | App | App | . 100 | pp1 | AD C. | pli | lagi | App | App | 1001 1001 | App | pli | Ap | Ap | ppl | App | App | App | pli | Ap. | ppl | |
| 14, Appl 7704, Ap 810, Ap | 320, App | 324, App | 4612, Ap 7190. Ap | 909, App | 5/4, App 30. Appl | 14, Appl | 34, Appl | 188, App 25, Appl | 584, App | 106, App | 2888, Ap 4258, Ap | 1, Appli | 3, Appli | 4, Appli | Appli 19. Appl | 52. Appl | 561, App | 100, App | 1020, Ap | 913, App | 16, App. | 7724, Ap | 58, Appl | 978, App | 996, App | 1039, Ap | 374, App | 992, App | 596, App | 382, App | 984, App | 1080, Ap | 56, Appl | 316U, AD | 3, Appli | 12, Appl | 213, App 1826, Ap | 196, App | 14, Appl | 112, App | Appli | 1952, Ap | 1068, Ap | 28, Appl | 103, App | 312. App | 103, App | i, Appli | 280, Ap | 2, Appl | |
| ince 14, Appl nnce 7704, Ap | ince 320, App | | nce 4612, Ap nce 7190, Ap | ince 909, App | nce 5/4, App nce 30, Appl | nce 14, Appl | nce 34, Appl | nce 188, App nce 25, Appl | (a) | | | | | | | | | | | | | - | | | | | . – | | | | • | ٠., | | | - | • • • | | • | | • • • | ٠., | , , | | | | , | , ., | .,, | ,,, | , | |
| ednence ednence | equence | ednence | equence | equence | ednence | ednence | equence | adnence | ednence | | | | | | | | | | | | | - | | | | | . – | | | | • | ٠., | | | - | • • • | | • | | • • • | ٠., | , , | | | | , | , ., | .,, | ,,, | , | |
| equence equence | equence | ednence | equence | equence | ednence | ednence | equence | adnence | ednence | | | | | | | | | | | | | - | | | | | . – | | | | • | ٠., | | | - | • • • | Sequence 213, App Sequence 4826, Ap | • | | • • • | ٠., | , , | | | | , | , ., | .,, | ,,, | , | |
| Sequence | Sequence | Sednence | Sequence | Sequence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence 1 | Sequence | Sequence | Sequence 1 | o o constant |
| Sequence | Sequence | Sednence | Sequence | Sequence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence 1 | Sequence | Sequence | Sequence 1 | o o constant |
| Sequence | Sequence | Sednence | Sequence | Sequence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence 1 | Sequence | Sequence | Sequence 1 | 00000000 |
| -134-563-14 Sequence 0-467-657-7704 Sequence 0-995-561-810 Sequence |)-055-877-320 Sequence | -052-554A-324 Sequence | 7-467-657-7190 Sequence | 3-995-561-909 Sequence | 7-133-3/2-3/4 Sequence 7-210-316-30 Sequence |)-453-372-14 Sequence | 135-855-34 Sequence | -034-334A-186 sequence -205-109-25 Seguence | 1-453-372-584 Sequence | -037-243-106 Sequence | 7-467-657-4258 Sequence | 1-501-098-1 Sequence | 1-504-364-3 Sequence | 1-504-364-4 Seguence | -320-820-3 -078-189-19 Semience | -080-991-62 Sequence | -995-561-561 Sequence | -080-991-100 Sequence | -467-657-4020 Sequence | -995-561-813 Seguence | -12/-21/-10 -082-389-104 Sequence | -467-657-7724 Sequence | -454-437-68 Sequence | -453-372-978 Sequence | -453-372-996 Sequence | -821-234-1039 Sequence -037-243-100 Sequence | -821-234-874 Sequence | -453-372-992 Sequence | -453-372-596 Sequence 3-453-372-598 Semience | -453-372-982 Sequence | -453-372-984 Sequence | -733-828-1080 Sequence : | -454-437-66 Sequence | -467-657-3160 Seguence . -821-234-1137 Seguence . | -453-372-8 Seguence | -453-372-12 Sequence | -186-284-213 Sequence 3 | -074-176-196 Sequence | -964-313-14 Sequence : | -524-647-112 Sequence | -104-110-9 Sequence | -40/-65/-3952 sequence | -821-234-1068 Sequence | -063-343-28 Sequence | -055-877-303 Sequence | -31/-333-348 sequence : | -055-877-103 Sequence | -944-272-3 Sequence 3 | -793-528-1684 Sequence 2-467-657-2280 Sequence 2 | -136-244-12 Sequence | 197.466 |
| 1-134-563-14 Sequence 0-467-657-7704 Sequence 0-995-561-810 Sequence |)-055-877-320 Sequence | -052-554A-324 Sequence | 7-467-657-7190 Sequence | 3-995-561-909 Sequence | 7-133-3/2-3/4 Sequence 7-210-316-30 Sequence |)-453-372-14 Sequence | 135-855-34 Sequence | -034-334A-186 sequence -205-109-25 Seguence | 1-453-372-584 Sequence | -037-243-106 Sequence | 7-467-657-4258 Sequence | 1-501-098-1 Sequence | 1-504-364-3 Sequence | 1-504-364-4 Seguence | -320-820-3 -078-189-19 Semience | -080-991-62 Sequence | -995-561-561 Sequence | -080-991-100 Sequence | -467-657-4020 Sequence | -995-561-813 Seguence | -12/-21/-10 -082-389-104 Sequence | -467-657-7724 Sequence | -454-437-68 Sequence | -453-372-978 Sequence | -453-372-996 Sequence | -821-234-1039 Sequence -037-243-100 Sequence | -821-234-874 Sequence | -453-372-992 Sequence | -453-372-596 Sequence 3-453-372-598 Semience | -453-372-982 Sequence | -453-372-984 Sequence | -733-828-1080 Sequence : | -454-437-66 Sequence | -467-657-3160 Seguence . -821-234-1137 Seguence . | -453-372-8 Seguence | -453-372-12 Sequence | -186-284-213 Sequence 3 | -074-176-196 Sequence | -964-313-14 Sequence : | -524-647-112 Sequence | -104-110-9 Sequence | -40/-65/-3952 sequence | -821-234-1068 Sequence | -063-343-28 Sequence | -055-877-303 Sequence | -31/-333-348 sequence : | -055-877-103 Sequence | -944-272-3 Sequence 3 | -793-528-1684 Sequence 2-467-657-2280 Sequence 2 | -136-244-12 Sequence | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| 7 US-11-134-563-14 Sequence 6 US-10-467-657-7704 Sequence 6 US-10-995-561-810 Sequence | 6 US-10-055-877-320 Sequence | 7 US-11-052-554 324 Sequence | 6 US-10-46/-65/-4612 Sequence 6 US-10-467-657-7190 Sequence | 6 US-10-995-561-909 Sequence | 7 US-11-210-316-30 Sequence | 6 US-10-453-372-14 Sequence | 7 US-11-135-855-34 Sequence | 7 US-11-205-109-25 Sequence | 6 US-10-453-372-584 Sequence | 7 US-11-037-243-106 Sequence | 6 US-10-46/-65/-2888 sequence 6 US-10-467-657-4258 sequence | 6 US-10-501-098-1 Sequence | 6 US-10-504-364-3 Sequence | 6 US-10-504-364-4 Sequence | 7 US-11-078-189-19 Segmence | 7 US-11-080-991-62 Sequence | 6 US-10-995-561-561 Sequence | 7 US-11-080-991-100 Sequence | 6 US-10-467-657-4020 Sequence | 6 US-10-995-561-813 Sequence 7 HS-11-127-817-16 Semisore | 7 US-11-082-389-104 Sequence | 6 US-10-467-657-7724 Sequence | 6 US-10-454-437-68 Sequence | 6 US-10-453-372-978 Sequence | 6 US-10-453-372-996 Sequence | 6 US-10-821-234-1039 Sequence 7 US-11-037-243-100 | 6 US-10-821-234-874 Sequence | 6 US-10-453-372-992 Sequence | 6 US-10-453-372-596 Sequence 3 | 6 US-10-453-372-982 Sequence | 6 US-10-453-372-984 Sequence | 7 US-11-205-109-36 Sequence | 6 US-10-454-437-66 Sequence | 6 US-10-46/-65/-3160 Sequence . 6 HS-10-821-234-1137 Sequence . | 6 US-10-453-372-8 Sequence | 6 US-10-453-372-12 Sequence | / US-11-186-284-213 Sequence 3 (US-10-467-657-4826 Sequence 4 | 7 US-11-074-176-196 Sequence | 6 US-10-964-313-14 Sequence : 6 US-10-467-9628-95 Semience : | 6 US-10-524-647-112 Sequence | 7 US-11-104-110-9 Sequence | 7 115-11-012-762-4 | 6 US-10-821-234-1068 Sequence | 7 US-11-063-343-28 Sequence | 6 US-10-055-877-303 Sequence | 6 US-10-995-561-812 Sequence 8 | 6 US-10-055-877-103 Sequence 1 | 6 US-10-944-272-3 Sequence | 6 US-10-467-657-2280 Sequence 2 | 7 US-11-136-244-12 Sequence | 7 119-11-137-465-41 . Someone |
| 7 US-11-134-563-14 Sequence 6 US-10-467-657-7704 Sequence 6 US-10-995-561-810 Sequence | 6 US-10-055-877-320 Sequence | 7 US-11-052-554 324 Sequence | 6 US-10-46/-65/-4612 Sequence 6 US-10-467-657-7190 Sequence | 6 US-10-995-561-909 Sequence | 7 US-11-210-316-30 Sequence | 6 US-10-453-372-14 Sequence | 7 US-11-135-855-34 Sequence | 7 US-11-205-109-25 Sequence | 6 US-10-453-372-584 Sequence | 7 US-11-037-243-106 Sequence | 6 US-10-46/-65/-2888 sequence 6 US-10-467-657-4258 sequence | 6 US-10-501-098-1 Sequence | 6 US-10-504-364-3 Sequence | 6 US-10-504-364-4 Sequence | 7 US-11-078-189-19 Segmence | 7 US-11-080-991-62 Sequence | 6 US-10-995-561-561 Sequence | 7 US-11-080-991-100 Sequence | 6 US-10-467-657-4020 Sequence | 6 US-10-995-561-813 Sequence 7 HS-11-127-817-16 Semisore | 7 US-11-082-389-104 Sequence | 6 US-10-467-657-7724 Sequence | 6 US-10-454-437-68 Sequence | 6 US-10-453-372-978 Sequence | 6 US-10-453-372-996 Sequence | 6 US-10-821-234-1039 Sequence 7 US-11-037-243-100 | 6 US-10-821-234-874 Sequence | 6 US-10-453-372-992 Sequence | 6 US-10-453-372-596 Sequence 3 | 6 US-10-453-372-982 Sequence | 6 US-10-453-372-984 Sequence | 7 US-11-205-109-36 Sequence | 6 US-10-454-437-66 Sequence | 6 US-10-46/-65/-3160 Sequence . 6 HS-10-821-234-1137 Sequence . | 6 US-10-453-372-8 Sequence | 6 US-10-453-372-12 Sequence | / US-11-186-284-213 Sequence 3 (US-10-467-657-4826 Sequence 4 | 7 US-11-074-176-196 Sequence | 6 US-10-964-313-14 Sequence : 6 US-10-467-9628-95 Semience : | 6 US-10-524-647-112 Sequence | 7 US-11-104-110-9 Sequence | 7 115-11-012-762-4 | 6 US-10-821-234-1068 Sequence | 7 US-11-063-343-28 Sequence | 6 US-10-055-877-303 Sequence | 6 US-10-995-561-812 Sequence 8 | 6 US-10-055-877-103 Sequence 1 | 6 US-10-944-272-3 Sequence | 6 US-10-467-657-2280 Sequence 2 | 7 US-11-136-244-12 Sequence | 7 IIS-11-137-465-41 Seminary |
| .4 547 7 US-11-134-563-14 Sequence .4 548 6 US-10-467-657-7704 Sequence .4 548 6 US-10-995-561-810 Sequence | .4 548 6 US-10-055-877-320 Sequence | .4 548 7 US-11-052-554A-324 Sequence | .4 549 6 US-10-467-657-7190 Sequence | .4 549 6 US-10-995-561-909 Sequence | .4 549 7 US-11-210-316-30 Sequence | .4 552 6 US-10-453-372-14 Sequence | .4 552 7 US-11-135-855-34 Sequence | .4 553 7 US-11-205-354A-188 Sequence | .4 556 6 US-10-453-372-584 Sequence | .4 556 7 US-11-037-243-106 Sequence | .4 558 6 US-10-467-657-4258 Sequence | .4 558 6 US-10-501-098-1 Sequence | .4 558 6 US-10-504-364-3 Sequence | .4 558 6 US-10-504-364-4 Sequence | .4 558 7 US-11-078-189-19 Sequence | .4 560 7 US-11-080-991-62 Sequence | .4 562 6 US-10-995-561-561 Sequence | .4 565 7 US-11-080-991-100 Sequence | .4 566 6 US-10-467-657-4020 Sequence | 4 567 6 US-10-995-561-813 Sequence | 4 569 7 US-11-082-389-104 Sequence | .4 572 6 US-10-467-657-7724 Sequence | .4 572 6 US-10-454-437-68 Sequence | 4 574 6 US-10-453-372-978 Sequence | 4 577 6 US-10-453-372-996 Sequence | 4 578 5 US-10-821-234-1039 Sequence | 4 579 6 US-10-821-234-874 Sequence | 4 579 6 US-10-453-372-992 Sequence | 4 580 6 US-10-453-372-596 Sequence 3 | 4 581 6 US-10-453-372-982 Sequence | 4 581 6 US-10-453-372-984 Sequence | 4 582 7 US-11-205-109~36 Sequence | 4 584 6 US-10-454-437-66 Sequence | 4 588 6 US-10-467-657-3160 Seguence . | 4 588 6 US-10-453-372-8 Sequence | 4 588 6 US-10-453-372-12 Sequence | 4 588 / US-11-186-284-213 Sequence 3 | 4 589 7 US-11-074-176-196 Sequence | 4 590 6 US-10-964-313-14 Sequence : | 4 592 6 US-10-524-647-112 Sequence | 4 592 7 US-11-104-110-9 Sequence | 4 594 6 US-1U-46/-65/-3952 Sequence | 4 596 6 US-10-821-234-1068 Sequence | 4 596 7 US-11-063-343-28 Sequence | 4 597 6 US-10-055-877-303 Sequence | 4 599 6 US-10-995-540 Sequence 3 | 4 600 6 US-10-055-877-103 Sequence 1 | 4 601 6 US-10-944-272-3 Sequence | 4 604 6 US-10-467-657-2280 Sequence 2 | 4 604 7 US-11-136-244-12 Sequence 1 | 4 605 7 HG-11-137-465-41 |
| 2.4 547 7 US-11-134-563-14 Sequence 2.4 548 6 US-10-467-657-7704 Sequence 2.4 548 6 US-10-995-561-810 Sequence | 2.4 548 6 US-10-055-877-320 Sequence | 2.4 548 7 US-11-052-554A-324 Sequence | 2.4 549 6 US-10-467-657-7190 Sequence | 2.4 549 6 US-10-995-561-909 Sequence | 2.4 549 7 US-11-210-316-30 Sequence | 2.4 552 6 US-10-453-372-14 Sequence | 2.4 552 7 US-11-135-855-34 Sequence | 2.4 553 7 US-11-205-354A-160 Sequence | 2.4 556 6 US-10-453-372-584 Sequence | 2.4 556 7 US-11-037-243-106 Sequence | 2.4 558 6 US-10-467-657-4258 Sequence | 2.4 558 6 US-10-501-098-1 Sequence | 2.4 558 6 US-10-504-364-3 Sequence | 2.4 558 6 US-10-504-364-4 Sequence | 2.4 558 7 US-11-078-189-19 Semience | 2.4 560 7 US-11-080-991-62 Sequence | 2.4 562 6 US-10-995-561-561 Sequence | 2.4 565 7 US-11-080-991-100 Sequence | 2.4 566 6 US-10-467-657-4020 Sequence | 2.4 567 6 US-10-995-561-813 Sequence | 2.4 569 7 US-11-082-389-104 Sequence | 2.4 572 6 US-10-467-657-7724 Sequence | 2.4 572 6 US-10-454-437-68 Sequence | 2.4 574 6 US-10-453-372-978 Sequence | 2.4 577 6 US-10-453-372-996 Sequence | 2.4 578 7 US-11-037-24-1039 Sequence | 2.4 579 6 US-10-821-234-874 Sequence | 2.4 579 6 US-10-453-372-992 Sequence | 2.4 580 6 US-10-453-372-596 Sequence 3 | 2.4 581 6 US-10-453-372-982 Sequence | 2.4 581 6 US-10-453-372-984 Sequence | 2.4 582 7 US-11-205-1080 Sequence | 2.4 584 6 US-10-454-437-66 Sequence | 2.4 588 6 US-10-46/-65/-3160 Sequence . | 2.4 588 6 US-10-453-372-8 Sequence | 2.4 588 6 US-10-453-372-12 Sequence | 2.4 588 / US-11-186-284-213 Sequence 3 | 2.4 589 7 US-11-074-176-196 Sequence | 2.4 590 6 US-10-964-313-14 Sequence 3 | 2.4 592 6 US-10-524-647-112 Sequence | 2.4 592 7 US-11-104-110-9 Sequence | 2.4 334 6 US-10-46/-55/-3332 Sequence 3 | 2.4 596 6 US-10-821-234-1068 Sequence | 2.4 596 7 US-11-063-343-28 Sequence | 2.4 597 6 US-10-055-877-303 Sequence | 2.4 599 6 US-10-995-548 Sequence | 2.4 600 6 US-10-055-877-103 Sequence | 2.4 601 6 US-10-944-272-3 Sequence 3 | 2.4 604 6 US-10-467-657-2280 Sequence 2 | 2.4 604 7 US-11-136-244-12 Sequence | 2.4 605 7 US-11-137-465-41 Seguence |
| .4 547 7 US-11-134-563-14 Sequence .4 548 6 US-10-467-657-7704 Sequence .4 548 6 US-10-995-561-810 Sequence | 2.4 548 6 US-10-055-877-320 Sequence | 2.4 548 7 US-11-052-554A-324 Sequence | 2.4 549 6 US-10-467-657-7190 Sequence | 5 2.4 549 6 US-10-995-561-909 Sequence | 2.4 549 7 US-11-210-316-30 Sequence | 2.4 552 6 US-10-453-372-14 Sequence | 2.4 552 7 US-11-135-855-34 Sequence | 2.4 553 7 US-11-205-109-25 Sequence | 2.4 556 6 US-10-453-372-584 Sequence | 2.4 556 7 US-11-037-243-106 Sequence | 2.4 558 6 US-10-467-657-4258 Sequence | 2.4 558 6 US-10-501-098-1 Sequence | 2.4 558 6 US-10-504-364-3 Sequence | 2.4 558 6 US-10-504-364-4 Sequence | 2.4 558 7 US-11-078-189-19 Semience | 2.4 560 7 US-11-080-991-62 Sequence | 2.4 562 6 US-10-995-561-561 Sequence | 2.4 565 7 US-11-080-991-100 Sequence | 2.4 566 6 US-10-467-657-4020 Sequence | 2.4 567 6 US-10-995-561-813 Sequence | 2.4 569 7 US-11-082-389-104 Sequence | 2.4 572 6 US-10-467-657-7724 Sequence | 2.4 572 6 US-10-454-437-68 Sequence | 2.4 574 6 US-10-453-372-978 Sequence | 2.4 577 6 US-10-453-372-996 Sequence | 2.4 578 7 US-11-037-24-1039 Sequence | 2.4 579 6 US-10-821-234-874 Sequence | 2.4 579 6 US-10-453-372-992 Sequence | 2.4 580 6 US-10-453-372-596 Sequence 3 | 2.4 581 6 US-10-453-372-982 Sequence | 2.4 581 6 US-10-453-372-984 Sequence | 2.4 582 7 US-11-205-1080 Sequence | 2.4 584 6 US-10-454-437-66 Sequence | 2.4 588 6 US-10-46/-65/-3160 Sequence . | 2.4 588 6 US-10-453-372-8 Sequence | 2.4 588 6 US-10-453-372-12 Sequence | 2.4 588 / US-11-186-284-213 Sequence 3 | 2.4 589 7 US-11-074-176-196 Sequence | 2.4 590 6 US-10-964-313-14 Sequence 3 | 2.4 592 6 US-10-524-647-112 Sequence | 2.4 592 7 US-11-104-110-9 Sequence | 2.4 334 6 US-10-46/-55/-3332 Sequence 3 | 2.4 596 6 US-10-821-234-1068 Sequence | 2.4 596 7 US-11-063-343-28 Sequence | 2.4 597 6 US-10-055-877-303 Sequence | 2.4 599 6 US-10-995-548 Sequence | 2.4 600 6 US-10-055-877-103 Sequence | 2.4 601 6 US-10-944-272-3 Sequence | 2.4 604 6 US-10-467-657-2280 Sequence 2 | 2.4 604 7 US-11-136-244-12 Sequence | 2.4 605 7 US-11-137-465-41 Semience |
| 2.4 547 7 US-11-134-563-14 Sequence 2.4 548 6 US-10-467-657-7704 Sequence 2.4 548 6 US-10-995-561-810 Sequence | 5 2.4 548 6 US-10-055-877-320 Sequence | 5 2.4 548 7 US-11-052-554A-324 Sequence | 5 2.4 549 6 US-10-467-657-7190 Sequence | 5 2.4 549 6 US-10-995-561-909 Sequence | 5 2.4 549 7 US-11-210-316-30 Sequence | 5 2.4 552 6 US-10-453-372-14 Sequence | 5 2.4 552 7 US-11-135-855-34 Sequence | 5 2.4 553 7 US-11-205-109-25 Sequence | 5 2.4 556 6 US-10-453-372-584 Sequence | 5 2.4 556 7 US-11-037-243-106 Sequence | 5 2.4 558 6 US-10-467-657-4258 Segmence | 5 2.4 558 6 US-10-501-098-1 Sequence | 5 2.4 558 6 US-10-504-364-3 Sequence | 5 2.4 558 6 US-10-504-364-4 Sequence | 5 2.4 558 7 US-11-078-189-19 Sequence | 5 2.4 560 7 US-11-080-991-62 Sequence | 5 2.4 562 6 US-10-995-561-561 Sequence | 5 2.4 565 7 US-11-080-991-100 Sequence | 5 2.4 566 6 US-10-467-657-4020 Sequence | 5 2.4 567 6 US-10-995-561-813 Sequence | 5 2.4 569 7 US-11-082-389-104 Sequence | 5 2.4 572 6 US-10-467-657-7724 Sequence | 5 2.4 572 6 US-10-454-437-68 Sequence | 5 2.4 574 6 US-10-453-372-978 Sequence | 5 2.4 577 6 US-10-453-372-996 Sequence | 5 2.4 578 7 US-11-037-243-100 Sequence | 5 2.4 579 6 US-10-821-234-874 Sequence | 5 2.4 579 6 US-10-453-372-992 Sequence | 5 2.4 580 6 US-10-453-372-596 Sequence 5 2.4 580 6 US-10-453-372-598 Sequence | 5, 2,4 581 6 US-10-453-372-982 Sequence | 5 2.4 581 6 US-10-453-372-984 Sequence | 5 2.4 582 7 US-11-205-109-36 Sequence | 5 2.4 584 6 US-10-454-437-66 Sequence | 5 2.4 588 6 US-10-46/-65/-3160 Seguence . | 5 2.4 588 6 US-10-453-372-8 Sequence | 5 2.4 588 6 US-10-453-372-12 Sequence | 5 2.4 588 / US-11-186-284-213 Sequence 5 2.4 589 6 US-10-467-657-4826 Sequence 4 | 5 2.4 589 7 US-11-074-176-196 Sequence | 5 2.4 590 6 US-10-964-313-14 Sequence 3 2 4 592 6 US-10-467-962B-95 Sequence | 5 2.4 592 6 US-10-524-647-112 Sequence | 5 2.4 592 7 US-11-104-110-9 Sequence | 5 2.4 534 6 US-10-46/-65/-3352 Sequence | 5 2.4 596 6 US-10-821-234-1068 Sequence | 5 2.4 596 7 US-11-063-343-28 Sequence | 5 2.4 597 6 US-10-055-877-303 Sequence | 5 2.4 599 6 US-10-945-548 Sequence | 5 2.4 600 6 US-10-055-877-103 Sequence | 5 2.4 601 6 US-10-944-272-3 Sequence | 5 2.4 604 6 US-10-467-657-2280 Sequence 3 | 5 2.4 604 7 US-11-136-244-12 Sequence 1 | 5 2 4 605 7 HS-11-137-465-41 Commond |

```
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                    Sequence 113, App
Sequence 13, Appl
Sequence 19, Appl
Sequence 162, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
Sequence 2, Application US/11147238
Sequence 2, Application NO. US200S0266534A1
Fublication NO. US200S0266534A1
The OF INVENTATION: WICKED E SEQUNCES WHICH CODE FOR THE CETA GENE
TITLE OF INVENTATION: NUCLEOTIDE SEQUNCES WHICH CODE FOR THE CETA GENE
TITLE OF INVENTATION: NUCLEOTIDE SEQUNCES WHICH CODE FOR THE CETA GENE
CURRENT APPLICATION NUMBER: US/11/147,238
CURRENT FILING DATE: 2005-06-08
FRIOR PILING DATE: 2005-06-07
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin version 3.1
SEQ ID NO 2
LENGTH: 772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
                                                                                                                               sequence 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5, Application US/11147238
Sequence 5. Application US/11147238
Publication No. US20050266534A1
GENERAL INFORMATION:
APPLICAMT: MOCKEL, Bettina, et al.
TITLE OF INVENTION: NUCLEOTIDE SEQUNCES WHICH CODE FOR THE CELA GENE FILE OF INVENTION NUMBER: US/11/147,238
CURRENT APPLICATION NUMBER: US/11/147,238
CURRENT FILING DATE: 2005-06-08
PRIOR PRIOR PILING DATE: 2005-06-08
RICK APPLICATION UNBER: US/09/935,799
RICK FILING DATE: 2002-02-07
NUMBER OF SEQ ID NOS: 7
                                                                                                               Sequence 33
                   Sequence Sequence Sequence
                                                                 Sequence 1
Sequence 2
                                                                                                                                                                            Sequence 3
      seguence
                                                                                                                                            Sequence
Sequence
                                                                                                                                                                                                                                                         Sequence
Sequence
                                                                                               Sequence
                                                                                                                                                                                                                                                                                         seguence
                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                          sequence
                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3.3%; Score 7; DB 7; Length 772;
100.0%; Pred. No. 28;
ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ; ORGANISM: Corynebacterium glutamicum US-11-147-238-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           199 GTVGGAA 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             67 GTVGGAA 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-11-147-238-5
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         요
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                General 45, Application US/11021441

Publication No. US20050249748A1

GENERAL INFORMATION:
APPLICANT: DUBENSKY, Thomas W., Jr.,
APPLICANT: DUCKENY, William S., Jr.,
APPLICANT: COCK, David N.
TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
TITLE OF INVENTION: THEREOF
PILE REFERENCE: 282172003900
                                                                                                                                                                                                                     Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                 Length 772;
                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kinch, Michael S.
APPLICANT: Rinch, Michael S.
APPLICANT: Bruckheimer, Bilzabeth
APPLICANT: Bruckheimer, Bilzabeth
APPLICANT: Cook, David N.
TITLE OF INVENTION: LISTERIA-BASED Epha2 VACCINES
TITLE OF INVENTION: LISTERIA-BASED Epha2 VACCINES
FILER REFERENCE: 10271-146
CURRENT APPLICATION NUMBER: US 60/511,919
PRIOR APPLICATION NUMBER: US 60/511,719
PRIOR PILING DATE: 2003-10-15
PRIOR FILING DATE: 2003-10-15
PRIOR APPLICATION NUMBER: US 60/532,666
PRIOR FILING DATE: 2003-10-05
PRIOR FILING DATE: 2004-0-0
PRIOR FILING DATE: 2004-0-0
PRIOR FILING DATE: 2004-10-01
PRIOR FILING DATE: 2004-10-07
NUMBER OF SEQ ID NOS: 72
SOFTWARE: PALENTIN VERBION 3.2
SEQ ID NO 44
LENGTH: 26
                                                                                                                                                                   DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
                                                                                                                                                              Query Match
3.3%; Score 7; DB 7
Best Local Similarity 100.0%; Pred. No. 28;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/11/021,441
                                                                   , TYPE: PRT
, ORGANISM: Corynebacterium glutamicum
US-11-147-238-5
                                                                                                                                                                                                                                                                                                                                                                                                        US-10-966-483-44
; Sequence 44, Application US/10966483
; Publication No. US20050281783A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) ORGANISM: Listeria monocytogenes US-10-966-483-44
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                 ||||||||
199 GTVGGAA 205
                                                                                                                                                                                                                                                              67 GTVGGAA 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    54 AQQTEA 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AQOTEA 24
SOFIMEN.; SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-11-021-441-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
```

us-10-060-765-4.oligo.rapbn

```
Score 6; DB 6;
Pred. No. 47;
                                                                                                    CARREAL INFORMATION:
APPLICANT: University of Sheffield
APPLICANT: Biosynexus Incorporated
APPLICANT: Foster, Simon
APPLICANT: Foster, Simon
APPLICANT: Mond, James
TITLE OF INVENTION: Antigenic Polypeptides
FILE REFERENCE: P106629WO
CURRENT FILING DATE: 2004-02-02
PRIOR APPLICATION NUMBER: GB 0118825.9
PRIOR APPLICATION NUMBER: GB 0200349.9
PRIOR APPLICATION NUMBER: GB 0200349.9
PRIOR FILING DATE: 2002-01-09
NUMBER: OF SEQ ID NOS: 424
SOFTWARE: PatentIn version 3.1
SSOFTWARE: PatentIn version 3.1
                                                         Sequence 147, Application US/10485517
Publication No. US20050256299A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 2.9
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    105 RPDGAL 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19 AGLLLG 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27 AGLLLG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    71 RPDGAL 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-467-657-7782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-467-657-7782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-467-657-4260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
0
                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                     Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
CURRENT FILING DATE: 2004-12-23
PRIOR APPLICATION NUMBER: US 60/616,750
PRIOR FILING DATE: 2004-10-06
PRIOR FILING DATE: 2004-10-01
PRIOR PLING DATE: 2004-10-01
PRIOR PELING DATE: 2004-10-01
PRIOR PELING DATE: 2004-00-01
PRIOR FILING DATE: 2004-00-05
PRIOR FILING DATE: 2004-07-23
PRIOR FILING DATE: 2004-07-23
PRIOR PILING DATE: 2004-07-23
PRIOR PILING DATE: 2004-07-23
PRIOR PILING DATE: 2004-07-23
PRIOR PILING DATE: 2004-07-20
PRIOR PILING DATE: 2004-07-26
PRIOR SPPLICATION NUMBER: US 60/556,744
PRIOR PILING DATE: 2004-03-26
NUMBER OF SEQ ID NOS: 129
SOFTWARE: FRREED for WINGOWS VERSION 4.0
                                                                                                                                                                                                                                                                                                                                                                   Query Match
2.9%; Score 6; DB 7
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2.9%; Score 6; DB 7
100.0%; Pred. No. 24;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 129
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                             ORGANISM: Listeria monocytogenes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Listeria monocytogenes
US-11-021-441-109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match . 2.9
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                         S4 AQQTEA 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19 AQOTEA 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        54 AQQTEA 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19 AQOTEA 24
                                                                                                                                                                                                                                                                                                                                 US-11-021-441-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 109
LENGTH: 59
                                                                                                                                                                                                                                                          SEQ ID NO 45
LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
```

Length 119;

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                    APPLICANT: CHIRON SpA
APPLICANT: CHIRON SpA
APPLICANT: FOURTHAM Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNAI Vega
APPLICANT: MASIGNAI Vega
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
NUMBER OF FELLING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 7782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 122,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2.9%; buc.
100.0%; Pred. No.
0, Mismatches
                                                                                                                                                                                         Sequence 7782, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 4260, Application US/10467657; Publication No. US20050260581A1; GENERAL INFORMATION:
```

2003-08-11

```
CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                             q
.
                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICAT: XIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480US
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT FILING DATE: 2004-03-04
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 242
LENGTH: 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) OTHER INFORMATION: Description of Artificial Sequence: synthetic; CTHER INFORMATION: amino acid sequence
US-10-793-626-242
                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
0
                                                           APPLICANT: MASIGNAMI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT PILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 4260
LENGTH: 126
                                                                                                                                                                                                                                                                                                                                                                                                            Length 126;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2.9%; Score 6; DB 6;
100.0%; Pred. No. 50;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                              Score 6; | Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/467,657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7122, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-793-626-242
; Sequence 242, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                              , ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4260
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 2.9%; is Best Local Similarity 100.0%; Matches 6; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Artificial Sequence
CHIRON SpA
FONTANA Maria Rita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 2.9
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            107 LAGLLL 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              94 LGVKTS 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        47 LGVKTS 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18 LAGLLL 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-467-657-7322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
```

```
APPLICANT: COCK, Zhihong et al.

TITLE OF INVENTION: PROMOTER, PROMOTER CONTROL ELEMENTS, AND COMBINATIONS, AND USES
TITLE OF INVENTION: THEREOF
FILE REPERBING: 2750-1577PUS3
CURRENT APPLICATION NUMBER: US/10/957,569
CURRENT APPLICATION NUMBER: US 10/950,321
PRIOR APPLICATION NUMBER: US 10/950,321
PRIOR PILING DATE: 2004-09-23
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                        Length 155;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 157;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
                                                                                                                                                                                                                      DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 6;
                                                                                                                                                                                                                   Query Match 2.9%; Score 6; DB (Best Local Similarity 100.0%; Pred. No. 61) Matches 6; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Pred. No. 62; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2.9%; Score 6;
      UMBER: GB-0103424.8
2001-02-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7326, Application US/10467657 Publication No. US20050260581A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-957-569-64
. Sequence 64, Application US/10957569
. Publication No. US20050246785A1
. GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: GB-01034;
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFWARE: SegWin99, version 1.04
SEQ ID NO 7322
LENGTH: 155
TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                                                                                                           , ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 9218
SOFTWARES SEGWIN99, version 1.04
SEQ ID NO 7326
LENGTH: 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI V9GG
APPLICANT: MONACI Blisabetta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.1
                                                                                                                                                                                                                                                                                                                                                    106 LLOFGG 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        148 SVLAGL 153
                                                                                                                                                                                                                                                                                                           37 LLQFGG 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16 SVLAGL 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-467-657-7326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-957-569-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 64
LENGTH: 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: 1
```

```
Sequence 784, Application US/10995561

Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH:
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF TITLE OF INVENTION: DETECTION AND USES THEREOF FILE REFREENCE: CLOOLSS9
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 194;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2.9%; Score 6; DB 6;
100.0%; Pred. No. 75;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Search completed: January 13, 2006, 17:39:57 Job time : 12 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
|||||||
72 LPLPGL 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30 PIPDSS 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-995-561-784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                             APPLICANT: Parmelee, David
APPLICANT: Parmelee, David
APPLICANT: Parmelee, David
APPLICANT: Galperina, Olga
APPLICANT: Galperina, Olga
APPLICANT: Galperina, Olga
APPLICANT: Hosen, Craig a
APPLICANT: Rosen, Craig a
APPLICANT: Rosen, Craig a
TITLE OF INVENTION: Neutrokine-alpha Conjugate, Neutrokine-alpha Complex, and Uses THILLE OF INVENTION: NUMBER: US/10/742,634
CURRENT APPLICATION NUMBER: US 60/435,262
RRIOR PELING DATE: 2003-12-23
RRIOR APPLICATION NUMBER: US 60/467,198
RRIOR APPLICATION NUMBER: US 60/467,198
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Version 3.1
SOFTWARE: Patentin Version 3.1
                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                 Gaps
                                                                 ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .,
                Length 158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 6; Length 184; . 72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 184;
                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5, Application US/10967527A;
Publication No. US20050556041A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Fox, Brian A.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: Zeneror
FILE REFERENCE: 03-17
CURRENT APPLICATION NUMBER: US/10/967,527A
CURRENT FILING DATE: 2004-10-18
PRIOR FILING DATE: 2001-10-16
PRIOR FILING DATE: 2003-10-16
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5
LENGTH: 184
           2.9%; Score 6; DB 6
100.0%; Pred. No. 62;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 2.9%; Score 6; DB 6
Best Local Similarity 100.0%; Pred. No. 72;
Matches 6; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                Sequence 5, Application US/10742634
Publication No. US20050249671A9
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 2.9%;
Best Local Similarity 100.0%;
Matches 6; Conservative 0
           Query Match 2.9
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            165 LPLPGL 170
                                                                                                                                 ||||||
91 LLQFGG 96
                                                                                                       37 LLQFGG 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               72 LPLPGL 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-967-527A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
```

ö

Gaps

ö

ö

°,

0; Indels

Appli Appli Appli Appli

Sequence Sequence Sequence Sequence

US-09-134-001C-5569 US-08-0830-433A-20 US-08-0830-33A-16 US-07-603-133B-17 US-08-089-397A-15 US-08-089-397A-15 US-08-157-005-2 US-08-157-005-2 US-09-565-864-2 US-09-565-864-2 US-09-565-864-2 US-09-565-864-2 US-09-565-864-2 US-09-565-864-2 US-09-565-864-2 US-09-565-864-2 US-09-104-001C-3993 US-09-134-001C-3993 US-09-540-536-2086 US-09-540-636-2086 US-09-540-636-2086 US-09-540-636-2086 US-09-540-636-2086 US-09-540-636-2086 US-09-540-636-2086

Sequence Sequence Sequence Sequence Sequence Sequence Sequence

ALIGNMENTS

Sequence Sequence Sequence

Sequence Sequence Sequence

Sequence

```
Sequence 7, Application US/09715805;
Patent No. 6716626;
GENERAL INPORMATION:
TELEMATION:
TITLE OF INVENTION: HUMAN FGF-21 GENE EXPRESSION
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: HOMBER: US/09/715,805
CURRENT APPLICATION NUMBER: US/09/715,805
CURRENT PILING DATE: 2000-11-16;
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO;
TYPE: LENGTH: 16
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5213, Application US/09621976

Patent No. 6639063

GENERAL INPORMATION:
APPLICANT: Johns Mine Edwards, J.B.
APPLICANT: Glordano, J.Y.
APPLICANT: Glordano, J.Y.
TITLE OF INVENTION ESTE and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICANTION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SEQ ID NO 5213
LENGTH: 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
100.0%; Score 86; DB 2; I
Best Local Similarity 100.0%; Pred. No. 3.3e-08;
Matches 16; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 RORYLYTDDAQQTEAH 16
, ORGANISM: Homo sapiens
US-09-715-805-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
NAME/KEY: SIGNAL LOCATION: -28..-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-621-976-5213
                                                                                                                                                                                                                                                  JS-09-715-805-7
ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5213, Ap
Sequence 5, Appli
Sequence 2, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Appli
Sequence 6, Appli
Sequence 2, Appli
Sequence 14225, A
Sequence 14225, A
Sequence 28, Appl
Sequence 28, Appl
Sequence 28, Appl
Sequence 28391, A
Sequence 5811, A
Sequence 5811, A
Sequence 5811, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Appli
Sequence 4553, Ap
Sequence 1470, Ap
Sequence 4224, Ap
Sequence 396, App
Sequence 14221, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3423, Ap
Sequence 7, Appli
Sequence 7, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Appli
                                                               January 13, 2006, 17:05:18; Search time 20.129 Seconds (without alignments) 65.717 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Description
                                                                                                                                                                                                                                                                                                  1ssued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
      GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-970-711-28
US-09-248-796A-26424
US-09-252-991A-28391
US-09-489-039A-10181
US-09-487-558B-418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-489-039A-14225
US-09-107-532A-4355
US-09-171-461-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -09-513-999C-4553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-104-047-3423
                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-665-493B-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-390-207-6
US-09-390-207-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-715-805-2
                                                                                                                                                                                   572060 seqs, 82675679 residues
                                                                                                                                                                                                                                                                                                                                                                                                                             SUMMARIES
                                                                                                                                                                                                                                                        Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                             OM protein - protein search, using sw model
                                                                                                                                                   BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                               1 RQRYLYTDDAQQTEAH 16
                                                                                                                                                                                                                           Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query
Match Length DB
                                                                                                          US-10-060-765-7
86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
                                                                                                                     Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                  Searched:
                                                                                                                                                                                                                                                                                                     Database
                                                                   Run on:
                                                                                                          Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Result
No.
```

ö

Gaps

.. 0

Length 16; Indels

```
US-09-390-207-6
; Sequence 6, Application US/09390207
; Patent No. 6504330
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-390-207-4; Sequence 4, Application US/09390207; Patent No. 6504530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17 RORYLYTDDDGDTEAH 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   45 RÓRYLYTDDAÓÓTBAH 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 RQRYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Mus musculus
US-09-390-207-6
                     JS-09-715-805-4
                                                                                                                                                                                                                                                                                                                                                                                US-09-715-805-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application US/09390207

Patent No. 6504530

GENERAL INFORMATION:

APPLICANT: Thomsand Arlen

TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides

FILE REFERENCE: 99-371

CURRENT FILING DATE: 1999-09-07

NUMBER OF SEQ ID NOS: 41

SOFTWARE: Patentin Ver. 2.0

SOFTWARE: APPLICATION OF SEQ ID NOS: 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Thomason, Arlen
APPLICANT: Thomason, Arlen
APPLICANT: Liu, Benxian
TILE ON INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REPERENCE: 99-371
CURRENT PEPLING DATE: 199-09-07
NUMBER OF SEQ ID NOS: 199-09-07
SOFTWARE: Patentin Ver. 2.0
SOFTWARE: Patentin Ver. 2.0
TYPE: RR
TYPE: RR
COGANISM: Homo sapiens
                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%; Score 86; DB 2; Length 181; Best Local Similarity 100.0%; Pred. No. 4.5e-07; Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 86; DB 2; Length 209; 100.0%; Pred. No. 5.2e-07; tive 0; Mismatches 0; Indels
                                                                                                                                                                  Query Match 100.0%; Score 86; DB 2; Length 85; Best Local Similarity 100.0%; Pred. No. 2e-07; Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2, Application US/09390207
Patent No. 6504530
NAME/KEY: UNSURE
LOCATION: 57
OTHER INFORMATION: Xaa = Ala, Pro
                                                             NAME/KEY: UNSURE
COCATION: 52
OTHER INFORMATION: Xaa = Leu, Val
US-09-621-976-5213
                                                                                                                                                                                                                                                                                45 RORYLYTDDAQOTEAH 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              45 RQRYLYTDDAQQTEAH 60
                                                                                                                                                                                                                                                     1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17 RORYLYTDDAQQTEAH 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                        RESULT 3
US-09-390-207-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-390-207-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-390-207-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-390-207-2
```

```
STREET: 100 Beaver Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Klebsiella pneumoniae US-09-489-039A-14225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 4355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |||| || || || 460 RQRYHPGDDRQQPQAH 475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 10; Conserv
                                                                                               RESULT 10
US-09-489-039A-14225
                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 11
                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Wang, Fei
APPLICANT: Wang, Fei
APPLICANT: Di POLO. Adriana
TITLE OF INVENTION: USB OF RECOMBINANT GENE DELIVERY VECTORS
TITLE OF INVENTION: POR TREATING OR PREVENTING DISEASES OF THE EYE
FILE REFERENCE: PPIS88.005 (20263.40)
CURRENT APPLICATION NUMBER: US/09/665,493B
CURRENT FILING DATE: 2000-09-20
                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                          Length 210;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 210;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 210;
                                       Score 75; DB 2; Lengtn 21v
Pred. No. 3.9e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                 APPLICANT: Icch, No. 6716626uyuki
APPLICANT: Kavanaugh, W. Michael
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
FILE REFERENCE: PP-16758.001/201130.408
CURRENT APPLICATION NUMBER: US/09/715,805
CURRENT PILING DATE: 2000-11-16
NUMBER OF SEQ ID NOS: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 75; DB 2; Len
Pred. No. 3.9e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 75; DB 2;
Pred. No. 3.9e-05;
0; Mismatches 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7, Application US/09665493B Patent No. 6943153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Manning, William C., Jr. APPLICANT: Dwarki, Varavani J. APPLICANT: Rendahl, Katherine
                                                                                                                                                                                                                                          US-09-715-805-2; Sequence 2, Application US/09715805; Patent No. 6716626; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  87.2%;
87.5%;
                                                      Query Match
Best Local Similarity 87.5%;
Matches 14; Conservative
                                                                                                                                                                    46 RORYLYTDDDODTEAH 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46 RQRYLYTDDDQDTEAH 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Flannery, John G.
Miller, Sheldon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Zhou, Shang-Zhen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Laura H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14; Conservative
; ORGANISM: Mus musculus US-09-390-207-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Mus musculus
US-09-715-805-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 14; Conserval
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 210
TYPE: PRT
CRGANISM: Homo sapien
US-09-665-493B-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lau, Dana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                셤
```

```
Sequence 14225, Application US/09489039A

Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: GATY Breton et. al
APPLICANT: BATY Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: 12/09/409,039A
CURRENT FILING DATE: 2000-01-29
RAIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 14225
LENGTH: 479

"VER. DEL OFFICE ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION TO THE TO THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 12
US-09-1732A-4355
Sequence 4355, Application US/09107532A
Sequence 4355, Application US/0910753A
Sequence 4355, Application US/091075A
Sequence 4355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 479;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENOME THERAPEUTICS CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       55.8%; Score 48; DB 2; 62.5%; Pred. No. 3.8; tive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: PC
COREATING SYSTEM: «Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/085,598
FILING DATE: JULY 2, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
1 RORYLYTDDAQQTEAH 16
```

```
US-09-248-796A-26424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-252-991A-28391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEO ID NO 28391
                                                                                    LENGTH: 1121
                                                              SEQ ID NO 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Chicken Embryo Lethal Orphan (CELO) Virus FILE REFERENCE: 0652.1800000 CURRENT APPLICATION NUMBER: US/09/171,461 CURRENT FILING DATE: 1999-01-12 EARLIER APPLICATION NUMBER: PCT/EP97/01944 EARLIER FILING DATE: 1997-04-18 NUMBER OF SEQ ID NOS: 54 SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Cocten, Matthew
APPLICANT: Choices, Susanna
APPLICANT: Chioces, Susanna
APPLICANT: Kirzbauer, Robert
APPLICANT: Schaffner, Gotthold
TITLE OF INVENTION: Chicken Embryo Lethal Orphan (CELO) Virus
FILE REFERENCE: 0652.1800001
CURRENT APPLICATION NUMBER: US/09/970,711
CURRENT FILING DATE: 2001-10-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1121;
                                                                                                                                                                                                                                                   DB 2; Length 137;
10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) OTHER INFORMATION: Position: 6501..9866/Product: E2b pol
US-09-171-461-28
                                                                                                                                  ), NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1...137
; SEQUENCE DESCRIPTION: SEQ ID NO: 4355:
US-09-107-532A-4355
                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                        ORGANISM: Enterococcus faecium
                                                                                                                                                                                                                                                     Score 42;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT FILING DATE: 2001-10-05
PRIOR APPLICATION NUMBER: 09/171,461
PRIOR FILING DATE: 1999-01-02
PRIOR APPLICATION NUMBER: PCT/EP97/01944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28, Application US/09171461
Patent No. 6335016
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28, Application US/09970711
Patent No. 6773709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           47.7%;
50.0%;
                                                                                                                                                                                                                                                   48.8%;
ilarity 54.5%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Baker, Adam
APPLICANT: Cotten, Matthew
APPLICANT: Chiocca, Susanna
APPLICANT: Kurzbauer, Robert
APPLICANT: Schaffner, Gotthold
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       731 RÓGFRYADDPEQEE 744
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                               108 YIYTDESDETE 118
                                                                                                                                                                                                                                                                                                                                     4 YLYTDDAQQTE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
7; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Baker, Adam APPLICANT: Cotten, Mat
                                                                                  ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: CELO VIRUS
                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JS-09-970-711-28
                                                                                                                           FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                          င်
                                                                                                                                                                                                                                                                                                                                                                          q
```

```
GENERAL INFORMATION:
APPLICANT: Keith Weinstock et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28331, Application US/09252991A

Sequence 28331, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18
PRIOR PELLOATION NUMBER: US 60/074,788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                     Length 1121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 102;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                         FEATURE:
, OTHER INFORMATION: Position: 6501..9866/Product: E2b pol
US-09-970-711-28
                                                                                                                                                                                                                                                                       Score 41; DB 2; ]
Pred. No. 1.5e+02;
3; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
RICOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-06-13
PRIOR FILING DATE: 1998-06-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NOS 26424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 40; DB 2
Pred. No. 17;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US 60/094,190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 26424, Application US/09248796A
Patent No. 6747137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28391
                                                                                                                                                                                                                                                                       47.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 37.5%;
Matches 6; Conservative
PRIOR FILING DATE: 1997-04-18
NUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                       731 RÓOFRYADDPEGEE 744
                                                                                                                                                                                                                                                                                                                                                                         1 RORYLYTDDAQQTE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Candida albicans
                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 50.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS:
                                                                                                                        TYPE: PRT
ORGANISM: CELO VIRUS
```

셤

us-10-060-765-7.rai

```
TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fungi
FILE REFERENCE: 109272.130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 566;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 575;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. 6943241e1 full length cDNA
TITLE OF INVENTION: No. 6943241e1 full length cDNA
FILE REFERENCE: H.-A0105
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT PILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR APPLICATION NUMBER:
SROW APPLICATION NUMBER:
SOFTWARE: PATENTIN VET. 2.1
SSO ID NO 3423
LENGTH: 575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              46.5%; Score 40; DB 2; 353.3%; Pred. No. 1.1e+02; tive 3; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/487,558B CURRENT FILING DATE: 2000-01-19 PRIOR PPLICATION NUMBER: US 60/487,558 PRIOR FILING DATE: 1999-10-20. NUMBER OF SEQ ID_NOS: 446 SOFTWARE: Patentin version 3.0 SEQ ID NO 418 LENGTH: 566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 40;
Pred. No. 1
                                                          Sequence 418, Application US/09487558B Patent No. 6949356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3423, Application US/10104047
Patent No. 6943241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT ORGANISM: Saccharomyces cerevisiae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                46.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         196 RGEYLYTYDSÖLTDS 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 RORYLYTDDAQOTEA 15
                                                                                                                                                                                                                                                                        No. 6949356man,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 ORYLYTODAQQTE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        52 ORIIVIDDAKPTO 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 53.3
Matches 8, Conservative
                                                                                                                     APPLICANT: Busby, Robert
APPLICANT: Cali, Brian
APPLICANT: Hecht, Peter
APPLICANT: Holtzman, Doug
APPLICANT: Madden, Kevin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                 Salama, Sofie
                                                                                                                                                                                                                                                                                                                                                                                 Summers, Eric
                                                                                                                                                                                                                                                                                                                                     Sherman, Amir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                         Royer, John
                                                                                                                                                                                                                                                                                                                                                           Silva, Jeff
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
Best Local Similarity
7; Conserve
                                                                                                                                                                                                                                                    Milne,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-487-558B-418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-104-047-3423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-104-047-3423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 20
US-09-147-236-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                           Sequence 10181, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 1099-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR PLING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 10181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Giot, Loic
APPLICANT: Giot, Loic
APPLICANT: Mansfield, Traci A.
TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
FILE REFERENCE: 1596-542
CURRENT APPLICATION NUMBER: US/09/538,092
PRIOR APPLICATION NUMBER: 60/127,352
PRIOR PELING DATE: 1999-04-01
PRIOR PILING DATE: 1999-04-01
PRIOR PILING DATE: 2000-02-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 40; DB 2; Length 366;
Pred. No. 66;
2; Mismatches 5; Indels
Query Match
46.5%; Score 40; DB 2; Length 152;
Best Local Similarity 63.6%; Pred. No. 26;
Matches 7; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 40; DB 2; Length 566; pred. No. 1.1e+02; 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: (0)...(0)
CHER INFORMATION: Polypeptide Accession Number YLR417W
US-09-538-092-581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 1387
SOFTWARE: CuraPatSeqFormatter Version 0.9
SEQ ID NO 581
LENGTH: 566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 581, Application US/09538092; Patent No. 6753314; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Saccharomyces cerevisiae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
CRGANISM: Klebsiella pneumoniae
US-09-489-039A-10181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  46.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                46.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        83 RYIYTDSNQRKNWH 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 RYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 50.0<sup>3</sup>
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORYLYTDDAQQTE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 53.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ÓRIIYIDDÁKPTO 64
                                                                                                      : ||| |||:|
129 WRDDAPQTESH 139
                                                                                   6 YTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
                                                                                                                                                                                                      US-09-489-039A-10181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-538-092-581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ~
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
```

ઠે

ઠે

```
Parent No. 6783961

GENERAL INFORMATION:
APPLICANT: Dumas Mills Edwards, J.B.
APPLICANT: Duclert, A.
APPLICANT: Duclert, A.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 4553
LENGTH: 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1470, Application US/09471276

Sequence 1470, Application US/09471276

Sequence 1470, Application US/09471276

GENERAL INFORMATION:

APPLICANT: Dunmas Milne Edwards, J.B.

APPLICANT: Dunmas Milne Edwards, J.B.

APPLICANT: Duclert A.

APPLICANT: Dunmas Milne Edwards, J.B.

APPLICANT: Duclert A.

APPLICANT: Dunmas Milne Edwards, J.B.

TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

FILE REFERENCE: GENSET. 0250P1

CURRENT APPLICATION NUMBER: US/09/471,276

CURRENT APPLICATION NUMBER: US/09/57,719

EARLIER FILING DATE: 1999-04-09

EARLIER PILING DATE: 1998-04-09

EARLIER FILING DATE: 1998-04-09

NUMBER OF SEQ ID NOS: 1622

SSOTID NO 1470

LENGTH: 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 38; DB 2; Length 83; Pred. No. 29; 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 38; DB 2; Length 83;
Pred. No. 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: 19
... OTHER INFORMATION: Xaa=Lys or Asn or Arg or Ser or Thr
US-09-513-9990-4553
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
PGRANISM: Homo sapiens
PGRANISM:
NAME/KEY: SIGNAL
LOCATION: -41...
OTHER INFORMATION: score 3.6
                       Sequence 4553, Application US/09513999C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      44.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 44.2%;
Best Local Similarity 53.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 ORYLYTDDAQQTE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 EEYLYLDFSHÖTE 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 53.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: -41..-1
US-09-471-276-1470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
NAME/KEY: UNSURE
LOCATION: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-471-276-1470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                       APPLICANT: TONUCHII, Nacto
APPLICANT: TONUCHII, Nacto
APPLICANT: TSUCHIDA, Takayasu
APPLICANT: TSUCHIDA, Takayasu
APPLICANT: TSUCHIDA, Pumihiro
APPLICANT: TAHARA, Naoki
APPLICANT: TAHARA, Naoki
APPLICANT: HAYASHI, Takahisa
TITLE OF INVENTION: NOVEL GENE, GROUP OF GENES, AND NOVEL BETA-GLUCOSIDASE
FILE REFERENCE: 6537-011-0PCT
CURRENT APPLICATION NUMBER: US/09/147,236A
CURRENT FILING DATE: 1999-04-08
EARLIER PILING DATE: 1997-10-09
NUMBER OF SEQ ID NOS: 12
SSOFTWARE: PALENTIN Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: TONOUCHI, Naoto
APPLICANT: TSUCHIDA, Takayasu
APPLICANT: YSCHINAGA, Fumihiro
APPLICANT: YOSHINAGA, Fumihiro
APPLICANT: TAHARA, Naoki
APPLICANT: THAYASHI, Takahisa
TITLE OF INVENTION: NOVEL GENE, GROUP OF GENES, AND NOVEL BETA-GLUCOSIDASE
TILE REFERENCE: 6537-011-0PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) OTHER INFORMATION: n at positions 15741 and 15767 may be a, g, t, or ; OTHER INFORMATION: c US-09-147-236-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CTHER INFORMATION: n at positions 15741 and 15767 may be a, g, t, CTHER INFORMATION: CUS-09-522-474-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 735;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 735;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           45.3%; Score 39; DB 2; Length 735
70.0%; Pred. No. 2.1e+02;
Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 39; DB 2; Length 735
Pred. No. 2.1e+02;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/522,474
CURRENT FILING DATE: 2000-03-09
PRIOR APPLICATION NUMBER: US/09/147,236
PRIOR FILING DATE: 1999-04-08
PRIOR APPLICATION NUMBER: PCT/JP97/03633
PRIOR APPLICATION NUMBER: PCT/JP97/03633
PRIOR FILING DATE: 1997-10-09
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIN Ver: 2.1
LENGTH: 735
Application US/09147236A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-522-474-7; Sequence 7, Application US/09522474; Sequence 7, Application US/09522474; Setent No. 6573076; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Acetobacter xylinum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   45.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Acetobacter xylinum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 45.3
Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   718 rbbsoorrwh 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         718 TDDSQQTTMH 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7 TDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 TDDAQQTEAH 16
                       Patent No. 6316251
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 7
LENGTH: 735
```

g

ö

Gaps

ö

Gaps .

RESULT 22

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Havukkala, Takka J.
APPLICANT: Havukkala, Tikka J.
APPLICANT: Bloksberg, Leonard, N.
APPLICANT: Bloksberg, Leonard, N.
APPLICANT: Dubbers, Mark W.
APPLICANT: Christensson, Anna C.
APPLICANT: Christensson, Anna C.
APPLICANT: Colos, Paul W.
APPLICANT: O'Toole, Paul W.
APPLICANT: Coolbear, Timothy
TITLE OF INVENTION: Polynucleotides, materials incorporating
CURRENT FILING DATE: 2000-08-08
NUMBER OF SEQ ID NOS: 422
SOFTWARE: FAST
CURRENT FILING DATE: 2000-08-08
SOFTWARE: FAST
CURRENT FILING DATE: 2000-08-08
TYPE: PRI
COGANISM: Lactobacillus rhamnosus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
44.2%; Score 38; DB 2; Length 164;
Best Local Similarity 46.2%; Pred. No. 61;
Matches 6; Conservative 3; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 38; DB 2; Length 136;
Pred. No. 50;
2; Mismatches 4; Indels
                                                                                                                                                             US-01-076-4224

US-09-621-976-4224

Sequence 4224, Application US/09621976

Patent No. 6639063

GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: JODERT, S.
APPLICANT: GLORDANDON: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335

SEQ ID NO 4224
LENGTH: 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOCATION: (1)...(164)
COTHER INFORMATION: Xaa = Any Amino Acid
US-09-634-238-396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , Sequence 396, Application US/09634238; Patent No. 6544772
GENERAL INFORMATION: APPLICANT: Glenn, Matthew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 53.8%;
Matches 7; Conservative
2 ORYLYTODAQQTE 14
                                      : | | | | : | | |
11 EEYLYLDFSHQTE 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : ||| | : |||
11 EEYLYLDFSHQTE 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 ORYLYTDDAQQTE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; NAME/KEY: SIGNAL
; LOCATION: -41..-1
US-09-621-976-4224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-634-238-396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 25
  ò
                                                     임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
```

```
Oy 4 YLYTDDAQQTEAH 16

| | | | | | | | |

Db 23 FLYTDEAMRVRFH 35
```

Search completed: January 13, 2006, 17:22:54 Job time: 21.129 secs

```
US-10-060-765-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Appl
Appl
Appl
Appl
Appl
Appli
Appli
Appli
Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       January 13, 2006, 17:21:33 ; Search time 57.2903 Seconds (without alignments) 116.691 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 60,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7,
Sequence 7,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 7,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence Sequence S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                              Published Applications AA Main:*
(GGT2 6/ptodata/1/pubpa/USO2 PUBCOMB.pep:*
(GGT2 6/ptodata/1/pubpaa/USO8 PUBCOMB.pep:*
(GGT2 6/ptodata/1/pubpaa/USO9 PUBCOMB.pep:*
(GGT2 6/ptodata/1/pubpaa/USOA PUBCOMB.pep:*
(GGT2 6/ptodata/1/pubpaa/USIA PUBCOMB.pep:*
(GGT2 6/ptodata/1/pubpaa/USIL_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-816-140-7

US-10-711-173-7

US-10-659-004-60

US-10-659-004-52

US-09-901-938-33

US-10-379-334-33

US-10-379-334-33

US-10-275-695-2

US-10-278-84-78

US-10-230-163-78

US-10-230-144-78

US-10-230-414-78

US-10-230-414-78
                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                    1867569 seqs, 417829326 residues
                                               protein search, using sw model.
                                                                                                                                                                                                                                                                                                            Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                         Gapop 10.0 , Gapext 0.5
                                                                                                                                                    1 RQRYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                        Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                         US-10-060-765-7
86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query
Match Length DB
                                                                                                                                                                               BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8888
                                                                                                                                                                               Scoring table:
                                                                                                                                        Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
                                                                                                                                                     Sequence:
                                                                                                                                                                                                                    Searched:
                                                                                                                                                                                                                                                                                                                                                                 Database
                                                                          Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Result
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                   Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                    Sequence
Sequence
                                                                                                                                                                                            Sequence
                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 2
US-10-818-140-7

JOS-10-818-140-7

Sequence 7, Application US/10818140

Publication No. US20040185494A1

GENERAL INFORMATION:

APPLICANT: Itch, Nobuyuki

APPLICANT: Kavanugh, W. Michael

TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION

TITLE OF INVENTION: PRODUCTS

FILE REFREENCE: PP-16758.001/201130.408

CURRENT APPLICATION NUMBER: US/10/818,140

CURRENT FILING DATE: 2004-04-05

PRIOR FILING DATE: 2000-11-16

NUMBER OF SEQ ID NOS: 17

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7

LENGTH: 16

TYPE: PRI
                                                                                                                                                                                                                                                                                                Sequence 7, Application US/10060765

Publication No US20020164713A1

GENERAL INFORMATION:
APPLICANT: Ltch, No. US20020164713Aluyuki
APPLICANT: Kavanaugh, W. Michael
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PROJUCTS
CURRENT APPLICATION NUMBER: US/10/060,765
CURRENT PILING DATE: 2002-01-29
PRIOR APPLICATION NUMBER: US/09/715,805
PRIOR APPLICATION NUMBER: US/09/715,805
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 86; DB 4; Length 16; 100.0%; Pred. No. 1.1e-07;
       US-10-232-231-78
US-10-232-233-78
US-10-218-956-78
US-10-219-468-78
US-10-219-478-78
US-10-219-478-78
US-10-219-470-78
US-10-219-474-78
US-10-219-524-78
US-10-219-528-78
US-10-227-881-78
US-10-227-881-78
US-10-227-881-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                            ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       °,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 RQRYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-765-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 16; Conserv
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 187
SOFTWARE: CuraSeqList version 0.1
SEQ ID NO 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 125,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 red. No. 1.1e-06;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 86; DB 5; 100.0%; Pred. No. 1.1e-06
                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                       100.0%; Score 86; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 33, Application US/09901938
Patent No. US20020156001A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 52, Application US/10659004 Publication No. US20050048507A1
                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                      1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                    45 RORYLYTDDAQOTEAH 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 RORYLYTDDAÓOTEAH 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: ECONS, Michael APPLICANT: WHITE, Kenneth
                                                                                                        TYPE: PRT
CORGANISM: Homo sapiens
US-10-659-004-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-659-004-52
                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-901-938-33
                                                                                     LENGTH: 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 6
                                                                                                                                                                                                                                                                                                             임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 60, Application US/10659004
Publication No. US20050048507A1
GENERAL INFORMATION:
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
                                                                                                          ö
                                                                                                                                                                                                                                                                                 Sequence 7, Application US/10771173
Sequence 7, Application US/10771173
Publication No. US20050037457A1
GENERAL INFORMATION:
APPLICANT: Itch, Nobuyuki
APPLICANT: Itch, Nobuyuki
TITLE OF INVENTION: HUMAN PGF-21. GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
FILE REFERENCE: PP-16758.001/201130.408
CURRENT APPLICATION NUMBER: US/10/771,173
CURRENT PILING DATE: 2004-02-03
PRIOR APPLICATION NUMBER: US/09/715,805
PRIOR APPLICATION NUMBER: US/09/715,805
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FASELSEQ for Windows Version 4.0
                                                           100.0%; Score 86; DB 4; Length 16; 100.0%; Pred. No. 1.1e-07; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match 100.0%; Score 86; DB 5; Length 16; Best Local Similarity 100.0%; Pred. No. 1.1e-07; Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE REFERENCE: 21402-608
CURRENT APPLICATION NUMBER: US/10/659,004
CURRENT PILING DATE: 2003-09-09
PRIOR APPLICATION NUMBER: 00/295,607
PRIOR PILING DATE: 2001-06-04
PRIOR FILING DATE: 2001-06-04
PRIOR APPLICATION NUMBER: 60/295,404
PRIOR FILING DATE: 2001-06-04
PRIOR APPLICATION NUMBER: 60/296,418
PRIOR PILING DATE: 2001-06-06
PRIOR PRILING DATE: 2001-06-06
PRIOR PILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-06-07
PRIOR FILING DATE: 2001-06-12
PRIOR FILING DATE: 2001-06-12
PRIOR PILING DATE: 2001-06-12
PRIOR PILING DATE: 2001-06-12
PRIOR PILING DATE: 2001-06-12
PRIOR APPLICATION NUMBER: 60/299,567
PRIOR APPLICATION NUMBER: 60/299,567
PRIOR APPLICATION NUMBER: 60/299,567
PRIOR APPLICATION NUMBER: 60/299,949
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/299,949
PRIOR FILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-15
PRIOR PILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-26
PRIOR FILING DATE: 2001-06-26
                                                                                                                                             1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                               1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 RQRYLYTDDAQQTEAH 16
                                                                                 Best Local Similarity 100.
Matches 16, Conservative
    ; ORGANISM: Homo sapiens
US-10-818-140-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
US-10-771-173-7
                                                                                                                                                                                                                                               RESULT 3
US-10-771-173-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 7
                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 183;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 l.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 86; DB 5; 100.0%; Pred. No. 1.6e-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2, Application US/09755695;
Patent No. US20020081663A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
PILE REFERENCE: 00-03
CURRENT APPLICATION NUMBER: US/09/755,695
CURRENT FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 60/174,526
PRIOR PILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                  PRIOR APPLICATION NUMBER: 00/290,418
PRIOR PLLING DATE: 2001-06-06
PRIOR PLLING DATE: 2001-06-11
PRIOR PLILNG DATE: 2001-06-11
PRIOR PELING DATE: 2001-06-12
PRIOR PELING DATE: 2001-06-12
PRIOR PELING DATE: 2001-06-14
PRIOR PELING DATE: 2001-06-14
PRIOR PELING DATE: 2001-06-14
PRIOR PELING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/299,949
PRIOR PELING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: 60/300,883
PRIOR PILING DATE: 2001-06-26
PRIOR APPLICATION NUMBER: 60/300,883
PRIOR PILING DATE: 2001-06-26
Remaining Prior Application data removed - 8
NUMBER OF SEQ ID NOS: 187
SOFTWARE: CURASEQLIST VERBION 0.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 78, Application US/10227884 Publication No. US20030027988A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17 RORYLYTDDAQOTEAH 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          44 RORYLYTDDAQQTEAH 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-10-659-004-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
US-09-755-695-2
                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Cura
SEQ ID NO 54
LENGTH: 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-755-695-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Zhong et al.
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REPERENCE: 21402-608
CURRENT APPLICATION NUMBER: US/10/659,004
PRIOR APPLICATION NUMBER: 60/295,607
PRIOR APPLICATION NUMBER: 60/295,607
PRIOR APPLICATION NUMBER: 60/295,661
PRIOR APPLICATION NUMBER: 60/295,661
PRIOR FILING DATE: 2001-06-04
APPLICANT: STROW, Tim
APPLICANT: METINGEN, Thomas
TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTOR (FGF23) AND METHODS FOR USE
FILE REFERENCE: 053884-5001
CURRENT APPLICATION NUMBER: US/09/901,938
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/219,137
PRIOR APPLICATION NUMBER: 60/219,137
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: ECONS, Michael
APPLICANT: WHITE, Kenneth
APPLICANT: STORM, Tim
APPLICANT: TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTOR (FGF23) AND METHODS FOR USE FILE REFERENCE: 053884-5001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 86; DB 3; Length 136;
100.0%; Pred. No. 1.2e-06;
cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 136;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/379,334
CURRENT FILING DATE: 2003-03-04
PRIOR APPLICATION NUMBER: US/09/901,938
PRIOR FILING DATE: 2001-07-10
PRIOR PLING DATE: 2001-07-10
PRIOR PLING DATE: 2000-07-19
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patentin version 3.0
LENGTH: 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 86; DB
100.0%; Pred. No. 1.2
:ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 33, Application US/10379334 Publication No. US20030181379A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 54, Application US/10659004
Publication No. US20050048507A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 RORYLYTDDAQOTEAH 22
                                                                                                                                                                                                                                                                                                                                                                                                                                          16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.0
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                              ORGANISM: Homo Sapiens
US-09-901-938-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo Sapiens
US-10-379-334-33
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                         SEQ ID NO 33
LENGTH: 13
                                                                                                                                                                                                                                                                                            TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
```

```
R APPLICATION NUMBER: 60/101922
R PILING DATE: 1998-09-24
R APPLICATION NUMBER: 60/101922
R PILING DATE: 1998-10-28
R APPLICATION NUMBER: 60/106178
R APPLICATION NUMBER: 60/10648
R PILING DATE: 1998-10-29
R APPLICATION NUMBER: 60/106464
R APPLICATION NUMBER: 60/10695
R APPLICATION NUMBER: 60/10695
R APPLICATION NUMBER: 60/108961
R APPLICATION NUMBER: 60/10881
R FILING DATE: 1998-11-17
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/10881
R APPLICATION NUMBER: 60/10881
R FILING DATE: 1998-11-17
R PILING DATE: 1998-11-17
                                                                                                                        R FILING DATE: 1998-08-31

R APPLICATION NUMBER: 60/099596

R APPLICATION NUMBER: 60/099598

R APPLICATION NUMBER: 60/099598

R FILING DATE: 1998-09-09

R FILING DATE: 1998-09-10

R APPLICATION NUMBER: 60/099813

R FILING DATE: 1998-09-10

R APPLICATION NUMBER: 60/099812

R FILING DATE: 1998-09-10

R FILING DATE: 1998-09-10

R FILING DATE: 1998-09-10

R FILING DATE: 1998-09-10

R APPLICATION NUMBER: 60/099816

R FILING DATE: 1998-09-10

R APPLICATION NUMBER: 60/099816

R FILING DATE: 1998-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AFFLICATION NUMBER: 00/10012

APPLICATION NUMBER: 60/101477

FILING DATE: 1998-09-23

FILING DATE: 1998-09-23

APPLICATION NUMBER: 60/10178

R FILING DATE: 1998-09-24

APPLICATION NUMBER: 60/101741

R FILING DATE: 1998-09-24

R FILING DATE: 1998-09-25

R FILING DATE: 1998-09-25

R FILING DATE: 1998-09-25
                                                                                                                                                                                                                                                                                                                                         A APPLICATION NUMBER: 60/100385
R FILING DATE: 1998-09-15
A PPLICATION NUMBER: 60/100390
R FILING DATE: 1998-09-15
A APPLICATION NUMBER: 60/100627
R FILING DATE: 1998-09-16
R FILING DATE: 1998-09-16
R FILING DATE: 1998-09-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1998-12-15
APPLICATION NUMBER: 60/13296
FILING DATE: 1998-12-22
APPLICATION NUMBER: 60/113605
FILING DATE: 1998-12-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/115558
FILING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/119549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/113621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115733
APPLICATION NUMBER: 60/097986
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             998-08-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           998-08-
```

1999-03-10 1999-02-

```
INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC INVENTION: ACIDS ENCODING THE SAME
                                                FILE REFERENCE: P3530P1C96
CURRENT APPLICATION NUMBER: US/10/230,163
                                                                                           CURRENT FILING DATE: 2002-08-28
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR PILING DATE: 1097-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR PILING DATE: 1997-10-38
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
                                                                                                                                                                                                                                                                                                                                                                                                                                     R FILING DATE: 1997-12-17
R APPLICATION NUMBER: 60/078910
R FILING DATE: 1998-03-20
R PAPLICATION NUMBER: 60/079294
R FILING DATE: 1998-03-25
R APPLICATION NUMBER: 60/079656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A APPLICATION NUMBER: 60/095302
R FILING DATE: 1998-08-04
R APPLICATION NUMBER: 60/095318
R FILING DATE: 1998-08-04
R APPLICATION NUMBER: 60/095916
R FILING DATE: 1998-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079728
FILING DATE: 1998-03-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/086392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090695
FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/091982
FILING DATE: 1998-07-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/081819
FILING DATE: 1998-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/089532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/090472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1998-08-17
APPLICATION NUMBER: 60/097986
FILING DATE: 1998-08-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/096146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/099598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-05-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1998-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LING DATE: 1998-06-17
```

```
R APPLICATION NUMBER: 60/099812
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099816
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/10038
R FILING DATE: 1998-09-11
R APPLICATION NUMBER: 60/100385
R FILING DATE: 1998-09-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               R PILING DATE: 1998-12-23

R APPLICATION NUMBER: 60/113621

R PILING DATE: 1998-12-23

R FILING DATE: 1999-01-12

R PPLICATION NUMBER: 60/11555

R PILING DATE: 1999-01-12

R APPLICATION NUMBER: 60/115733

R APPLICATION NUMBER: 60/115733
                                                                                                                                                                                                 R FILING DATE: 1998-09-16
R APPLICATION NUMBER: 60/100848
R FILING DATE: 1998-09-18
R FILING DATE: 1998-09-18
R FILING DATE: 1998-09-17
R APPLICATION NUMBER: 60/101477
                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101786
FILING DATE: 1998-09-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALLING DATE: 1998-11-17
APPLICATION UNMBER: 60/108849
APPLICATION UNMBER: 60/112422
APPLICATION NUMBER: 60/112422
                                                                                                                                                                                                                                                                                   FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101738
                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-12-22
APPLICATION NUMBER: 60/113605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ILING DATE: 1999-03-23
PPLICATION NUMBER: 60/126773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1999-04-05
APPLICATION NUMBER: 60/130232
                         PPLICATION NUMBER: 60/099811
ILING DATE: 1998-09-10
                                                                                                                                                                                                                                                                                                              FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101741
                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/101916
                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PPLICATION NUMBER: 60/106248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1998-12-15
APPLICATION NUMBER: 60/113296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PPLICATION NUMBER: 60/123618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/125259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TLING DATE: 1999-03-19
PPLICATION NUMBER: 60/125775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PPLICATION NUMBER: 60/106464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PPLICATION NUMBER: 60/106905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PPLICATION NUMBER: 60/108787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/108801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LING DATE: 1998-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TLING DATE: 1999-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1999-03-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                     1998-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ILING DATE: 1998-11-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ILING DATE: 1998-10-3
```

```
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P5539091692 CURRENT APPLICATION NUMBER: US/10/230,338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 86; DB 4; I 100.0%; Pred. No. 1.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
PRIOR FILING DATE: 1999-04-26
PRIOR APPLICATION NUMBER: 60/131270
PRIOR PLING DATE: 1999-04-27
PRIOR PELING DATE: 1999-06-14
PRIOR PELING DATE: 1999-06-14
PRIOR PELING DATE: 1999-06-12
PRIOR PELING DATE: 1999-06-22
PRIOR PELING DATE: 1999-06-23
PRIOR PELING DATE: 1999-06-23
PRIOR PELING DATE: 1999-06-23
PRIOR PELING DATE: 1999-06-26
PRIOR PELING DATE: 1999-07-26
PRIOR PELING DATE: 1999-08-17
PRIOR PELING DATE: 1999-10-09
PRIOR PELING DATE: 1999-10-07
PRIOR PELING DATE: 1999-10-07
PRIOR PELING DATE: 1999-11-09
PRIOR PELING DATE: 1999-12-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Baker, Kevin P.
Desnoyers, Luc
Gerritsen, Mary
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 78, Application US/10230338 Publication No. US20030044934A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
```

```
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: ACTOR ENCODING THE SAME
ITLE OF INVENTION: ACIDS ENCODING THE SAME
ITLE REFERENCE: P3530PLG98
CURRENT APPLICATION NUMBER: US/10/230,414
         PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 78
LENGTH: 208
TYPE: PRT
ORGANISM: Homo Sapien
US-10-218-631-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 246 SEQ ID NO 78 LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                             Length 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                 1.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 86; DB 4;
ilarity 100.0%; Pred. No. 1.8e-06
Conservative 0; Mismatches 0.
                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 86; DB 4; 100.0%; Pred. No. 1.8e-06
                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 60/0691
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR PELING DATE: 1997-10-31
PRIOR PELING DATE: 1997-10-31
PRIOR PILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 78, Application US/10230414
Publication No. US20030050448A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 RORYLYTDDAGGTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            44 RÓRYLYTDDAÓOTEAH 59
                                                                                                                                                                                                                                                                                                                                                                                                                           16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                       Best_Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victorin L.
APPLICANT: Smith, Victorin L.
APPLICANT: Smith, Victorin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: P3530PLC14
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 00/119,480
PRIOR PILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR PAPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PAPLICATION NUMBER: 60/069873
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-25
PRIOR PAPLICATION NUMBER: 60/07994
PRIOR PILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/07926
PRIOR PILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/07928
PRIOR PILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/07928
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 86; DB 4; I
Pred. No. 1.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 78, Application US/10218631
Publication No. US20030045687A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/079294
FILING DATE: 1998-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/079656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        44 RÓRÝLÝTĎDAQÓTEÁH 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-218-631-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 78
LENGTH: 208
```

ઠે g

```
APPLICANT: Gurney, Auguin.

APPLICANT: Gurney, Auguin.

APPLICANT: Samith, Victoria

APPLICANT: Samith, Victoria

APPLICANT: Watanabe, Colin.

ITILE OF INVENTION: SECRETE AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: SECRETE AND THANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: DATE: 2002-08-09

FILE REPERENCE: P3530PIG.

CURRENT FILING DATE: 2002-04-09

FRIOR PELICATION NUMBER: 60/059113

FRIOR PELICATION NUMBER: 60/06313

FRIOR PELING DATE: 1997-10-17

FRIOR PELING DATE: 1997-10-31

FRIOR PELING DATE: 1997-10-31

FRIOR PELICATION NUMBER: 60/06913

FRIOR PELING DATE: 1997-10-31

FRIOR PELING DATE: 1997-10-31

FRIOR PELING DATE: 1997-10-31

FRIOR PELICATION NUMBER: 60/079294

FRIOR APPLICATION NUMBER: 60/079294

FRIOR APPLICATION NUMBER: 60/079266

FRIOR PELING DATE: 1998-03-25

FRIOR PELING DATE: 2098-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC' TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REPERENCE: P3530PIC11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT PEPLICATION NUMBER: US/10/218,849
CURRENT FILING DATE: 2002-08-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 86; DB 4; 100.0%; Pred. No. 1.8e-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Godowski, Paul J.
Grinaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 78, Application US/10218849 Publication No. US20030073814A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        44 RORYLYTDDAQQTEAH 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Desnoyers, Luc
Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
CORGANISM: Homo Sapien
US-10-216-159A-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-218-849-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Stephan, Jetoria APPLICANT: Stephan, Jetoria APPLICANT: Stephan, Jetoria APPLICANT: Stephan, Jetoria APPLICANT: Watanabe, Colin L. APPLICANT: Watanabe, Colin L. APPLICANT: Watanabe, Colin L. APPLICANT: Watanabe, Colin L. TITLE OF INVENTION: SECRETE AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530PICII CURRENT APPLICATION NUMBER: US/10/232,224 CURRENT FILING DATE: 2002-04-09 PRIOR APPLICATION NUMBER: 60/06287 PRIOR FILING DATE: 1997-09-17 PRIOR APPLICATION NUMBER: 60/06287 PRIOR FILING DATE: 1997-0-17 PRIOR FILING DATE: 1997-10-17 PRIOR FILING DATE: 1997-10-17 PRIOR FILING DATE: 1997-10-17 PRIOR FILING DATE: 1997-12-17 PRIOR APPLICATION NUMBER: 60/069873 PRIOR FILING DATE: 1997-12-17 PRIOR FILING DATE: 1998-03-20 PRIOR FILING DATE: 1998-03-20 PRIOR FILING DATE: 1998-03-25 PRIOR FILING DATE: 1998-03-27 PRIOR DATE: 1998-03-27 PRIOR 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Remaining Prior Application data removed - See File Wrapper or PALM.
SEQ ID NO 78
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 86; DB 4; I
Pred. No. 1.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-216-159A-78
; Sequence 78, Application US/10216159A
; Publication No. US20030069397A1
; GENERAL INFORMATION:
                                                                                                                                                                                   RESULT 15
US-10-232-224-78
Sequence 78, Application US/10232224
Publication No. US20030065147A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
100.0%;
Best Local Similarity 100.0%;
Matches 16; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          44 RORYLYTDDAOOTEAH 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwaki, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
CORGANISM: Homo Sapien
US-10-232-224-78
                                                              g
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
```

```
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/090472
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090557
R APPLICATION NUMBER: 60/090691
R APPLICATION NUMBER: 60/090691
R APPLICATION NUMBER: 60/090695
R APPLICATION NUMBER: 60/091982
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/091982
R FILING DATE: 1998-07-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          R FILING DATE: 1998-09-15
R APPLICATION NUMBER: 60/100627
R FILING DATE: 1998-09-16
R PILING DATE: 1998-09-18
R FILING DATE: 1998-09-18
R PILING DATE: 1998-09-17
R FILING DATE: 1998-09-17
R PILING DATE: 1998-09-17
R FILING DATE: 1998-09-23
R PLING DATE: 1998-09-23
R PLING DATE: 1998-09-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1998-08-11
APPLICATION NUMBER: 60/096791
FILING DATE: 1998-08-17
APPLICATION NUMBER: 60/097986
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1998-08-04
APPLICATION NUMBER: 60/095916
FILING DATE: 1998-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/096146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LING DATE: 1998-09-10
PLICATION NUMBER: 60/099811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099812
FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099816
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/100038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-09-25
APPLICATION NUMBER: 60/101916
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922
FILING DATE: 1998-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/106178
FILING DATE: 1998-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/106248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TILING DATE: 1998-08-26
APPLICATION NUMBER: 60/098544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/100385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/101741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1998-09-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Weatanabe, Colin L.
TITLE OF INVENTION: BCRREME DAND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERBUEC : P333091C72
CURRENT APPLICATION NUMBER: US/10/227,873
CURRENT FILING DATE: 2002-08-26
                                                                                                                                                                                                                                              .
0
                                                                                                                                                                Length 208;
                                                                                                                                                                                                                     o; indels
                                                                                                                                                            Score 86; DB 4; I
Pred. No. 1.8e-06;
                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 10/119, 480
PRIOR FILING DATE: 2002-04-09
PRIOR PELING DATE: 2002-04-09
PRIOR PILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/06973
PRIOR PILING DATE: 1997-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APELICALLA
R APELICATION NUMBER: 60/082804
R FILING DATE: 1998-04-22
R FILING DATE: 1998-04-22
OR APPLICATION NUMBER: 60/08441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 18
US-10-227-873-78
; Sequence 78, Application US/10227873
; Publication No. US20030073816A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ILING DATE: 1998-03-25
PPLICATION NUMBER: 60/079656
THE TABLE TO THE TABLE TABLE TO THE TABLE T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LING DATE: 1998-04-15
PPLICATION NUMBER: 60/081955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089538
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PPLICATION NUMBER: 60/078910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PPLICATION NUMBER: 60/079728
LLING DATE: 1998-03-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PPLICATION NUMBER: 60/081819
LING DATE: 1998-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PPLICATION NUMBER: 60/079294
                                                                                                                                                   Query Match 100.0%; So
Best Local Similarity 100.0%; P:
Matches 16; Conservative 0;
                                                                                                                                                                                                                                                                                                                    1 RORYLYTDDAQOTEAH 16
                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-849-78
                                                                                                                                                                                                                                                                                                                                                                                              요
```

```
**PRIGATION 180/A.

**PRIGATION 180/A.

**TOTAL CONTINUES AND THE STATE OF THE STAT
                                                                                                              44 RORYLYTDDAQQTEAH 59
PRIOR APPLICATION NUMBER: 60/108849
PRIOR FILING DATE: 1998-11-18
PRIOR FILING DATE: 1998-11-18
PRIOR FILING DATE: 1998-12-15
PRIOR PELICATION NUMBER: 60/113296
PRIOR PELING DATE: 1998-12-23
PRIOR PELING DATE: 1998-12-23
PRIOR PELING DATE: 1998-12-23
PRIOR PELING DATE: 1998-12-23
PRIOR PELING DATE: 1998-10-12
PRIOR PELING DATE: 1999-01-12
PRIOR PELING DATE: 1999-01-2
PRIOR PELING DATE: 1999-01-3
PRIOR PELICATION NUMBER: 60/14058
PRIOR PELING DATE: 1999-01-3
PRIOR PELING DATE: 1999
```

Gaps

. 0

Ouery Match
100.0%; Score 86; DB 4; Length 208;
Best Local Similarity 100.0%; Pred. No. 1.8e-06;
Matches 16; Conservative 0; Mismatches 0; Indels

Tue Jan 17 11:48:02 2006

Length -208; Query Match 100.0%; Score 86; DB 4; L Best Local Similarity 100.0%; Pred. No. 1.8e-06; Matches 16; Conservative 0; Mismatches 0; PRIOR FILING DATE: 1998-12-23
PRIOR PLILIGG DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/115565
PRIOR PRILING DATE: 1999-01-12
PRIOR PILING DATE: 1999-01-12
PRIOR PLING DATE: 1999-01-12
PRIOR PILING DATE: 1999-01-12
PRIOR PLING DATE: 1999-01-12
PRIOR PELICATION NUMBER: 60/115733
PRIOR PLING DATE: 1999-02-10
PRIOR PELING DATE: 1999-02-10
PRIOR PLING DATE: 1999-03-19
PRIOR PLING DATE: 1999-03-19
PRIOR PLING DATE: 1999-03-19
PRIOR PLING DATE: 1999-03-23
PRIOR PLING DATE: 1999-03-23
PRIOR PELING DATE: 1999-04-05
PRIOR PELING DATE: 1999-04-05
PRIOR PELING DATE: 1999-04-25
PRIOR PELING DATE: 1999-04-27
PRIOR PELING DATE: 1999-04-27
PRIOR PELING DATE: 1999-04-26
PRIOR PELING DATE: 1999-04-27
PRIOR PELING DATE: 1999-06-23
PRIOR PELING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: 60/146563
PRIOR PELING DATE: 1999-07-26
PRIOR PELING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: 60/146563
PRIOR PELING DATE: 1999-07-28
PRIOR PELING DATE: 1999-07-28
PRIOR PELING DATE: 1999-08-33
PRIOR PELING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/146563
PRIOR PELING DATE: 1999-08-17
PRIOR PELING

ö

Gaps

ö

Indels

Best Loca Matches

RESULT 20

```
ITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                  FILE REFERENCE: P9530PIC82
CURRENT APPLICATION NUMBER: US/10/230,434
PRICH APPLICATION NUMBER: US/10/230,434
PRICH APPLICATION NUMBER: 0/019,480
PRICH FILING DATE: 2002-04-09
PRICH APPLICATION NUMBER: 60/059113
PRICH PILING DATE: 1997-09-17
PRICH PILING DATE: 1997-017
PRICH PILING DATE: 1997-10-17
PRICH PILING DATE: 1997-10-17
PRICH PILING DATE: 1997-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 00/08353
PRIOR PLING DATE: 1998-05-13
PRIOR PLING DATE: 1998-05-15
PRIOR PPLICATION NUMBER: 60/08559
PRIOR PLING DATE: 1998-05-22
PRIOR PLING DATE: 1998-05-22
PRIOR PLING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/089532
PRIOR PLING DATE: 1998-06-17
PRIOR PLING DATE: 1998-06-17
PRIOR PLING DATE: 1998-06-17
PRIOR PLING DATE: 1998-06-18
PRIOR PLING DATE: 1998-06-18
PRIOR PLING DATE: 1998-06-24
PRIOR PLING DATE: 1998-06-24
PRIOR PLING DATE: 1998-06-24
PRIOR PLING DATE: 1998-06-24
PRIOR PLING DATE: 1998-06-25
                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/082804
FILING DATE: 1998-04-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RIOR APPLICATION NUMBER: 60/078910
RIOR FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ILING DATE: 1998-04-15
PPLICATION NUMBER: 60/081955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PLICATION NUMBER: 60/084441
LING DATE: 1998-05-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/090695
ILLING DATE: 1998-06-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PPLICATION NUMBER: 60/091982
ILING DATE: 1998-07-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/095916
FILING DATE: 1998-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/097986
FILING DATE: 1998-08-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/079656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/081819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LICATION NUMBER: 60/085323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/095318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           50-60-866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1998-03-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0-80-8661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1998-08-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ILING DATE: 1998-08-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -80-866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ILING DATE: 1998-08-
                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Wood, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530HEE: 105/10/219,076

CURRENT APPLICATION NUMBER: 10/119,480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 86; DB 4; Length 208; Best Local Similarity 100.0%; Pred. No. 1.8e-06; Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT FILING DATE: 2002-08-14
PRIOR APPLICATION NUMBER: US/10/219,076
CURRENT FILING DATE: 2002-08-14
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-01-17
PRIOR PELICATION NUMBER: 60/06287
PRIOR PELING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06349
PRIOR FILING DATE: 1997-10-18
PRIOR PLILING DATE: 1997-10-18
PRIOR PLILING DATE: 1997-10-31
PRIOR PELING DATE: 1997-10-31
PRIOR PELING DATE: 1997-12-17
PRIOR PELING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR PELING DATE: 1998-03-25
PRIOR PELING DATE: 1998-03-25
PRIOR PELING DATE: 1998-03-27
PRIOR PELING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
                                                                                                        APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goodard, Audrey.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Baker, Kevin P.
APPLICANT: Deenoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gramaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                       Stephan, Jean-Philippe F. Watanabe, Colin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stephan, Jean-Philippe F.
               Sequence 78, Application US/10219076
Publication No. US20030078379A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 78, Application US/10230434
Publication No. US20030078380A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            44 RQRYLYTDDAQQTEAH 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Watanabe, Colin
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT

CRGANISM: Homo Sapien

US-10-219-076-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 78
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
```

```
PRIOR PELICATION NUMBER: 60/099013
PRIOR PELILING DATE: 1938-09-10
PRIOR APPLICATION NUMBER: 60/099011
PRIOR PELILING DATE: 1938-09-10
PRIOR APPLICATION NUMBER: 60/099012
PRIOR PELILING DATE: 1938-09-10
PRIOR APPLICATION NUMBER: 60/10038
PRIOR PELILING DATE: 1938-09-10
PRIOR PELILING DATE: 1938-09-10
PRIOR PELILING DATE: 1938-09-15
PRIOR PELILING DATE: 1938-09-16
PRIOR PELILING DATE: 1938-09-17
PRIOR PELILING DATE: 1938-09-18
PRIOR PELILING DATE: 1938-09-18
PRIOR PELILING DATE: 1938-09-18
PRIOR PELILING DATE: 1938-09-18
PRIOR PELILING DATE: 1938-09-19
PRIOR APPLICATION NUMBER: 60/100136
PRIOR APPLICATION NUMBER: 60/100136
PRIOR APPLICATION NUMBER: 60/100605
PRIOR PELING DATE: 1938-10-29
PRIOR APPLICATION NUMBER: 60/10505
PRIOR PELING DATE: 1938-10-21
PRIOR APPLICATION NUMBER: 60/10505
PRIOR PELING DATE: 1938-10-21
PRIOR PELING DATE: 1938-10-21
PRIOR PELING DATE: 1938-10-23
PRIOR PELING DATE: 1938-10
```

PRIOR APPLICATION NUMBER: 60/13122
PRIOR PLICATION NUMBER: 60/131270
PRIOR PLILING DATE: 1999-04-27
PRIOR PLILING DATE: 1999-06-27
PRIOR PLILING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: 60/14050
PRIOR PLILING DATE: 1999-07-26
PRIOR PLILING DATE: 1999-07-26
PRIOR PLILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: 60/14658
PRIOR PLILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: 60/14658
PRIOR PLILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/14658
PRIOR APPLICATION NUMBER: 60/14658
PRIOR APPLICATION NUMBER: 60/14658
PRIOR APPLICATION NUMBER: 60/14658
PRIOR APPLICATION NUMBER: 60/16318
PRIOR PLILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/16318
PRIOR PLILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/16316
PRIOR APPLICATION NUMBER: 60/16316
PRIOR APPLICATION NUMBER: 60/16316
PRIOR APPLICATION NUMBER: 60/16316
PRIOR PLILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/16316
PRIOR PLILING DATE: 1999-11-16
PRIOR PLILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/16345
PRIOR PLILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/16345

 Query Match
 100.0%;
 Score 86;
 DB 4;

 Best Local Similarity 100.0%;
 Pred. No. 1.8e-06;

 Matches 16;
 Conservative 0;
 Mismatches 0

 Qy
 1 RORYLYTDDAQQTEAH 16

 | | | | | | | | | | | | | | | |
 Bb

 44 RORYLYTDDAQQTEAH 59
 AGRYLYTDDAQQTEAH 59

US-10-219-003-78

Sequence 78, Application US/10219003

Publication No. US20030088063A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Gerriteen, Mary

APPLICANT: Gerriteen, Mary

APPLICANT: Goldwark, Paul J.

APPLICANT: Goldwark, Paul J.

APPLICANT: Goldwark, Paul J.

APPLICANT: Goldwark, Paul J.

APPLICANT: Smith, Victoria

APPLICANT: Smith, Victoria

APPLICANT: Smith, Victoria

APPLICANT: Smith, Victoria

APPLICANT: Smith, Smith In I.

APPLICANT: Mood, William I.

APPLICANT: Mood, William I.

TITLE OF INVENTION: ACIDS ENCODING THE SAME

APPLICATION NUMBER: US/10/219,003

```
R FILING DATE: 1997-10-31

R FILING DATE: 1997-10-31

R FILING DATE: 1997-12-17

R FILING DATE: 1997-12-17

R FILING DATE: 1998-03-20

R FILING DATE: 1998-03-20

R FILING DATE: 1998-03-25

R APPLICATION NUMBER: 60/079294

R APPLICATION NUMBER: 60/0792656

R APPLICATION NUMBER: 60/07928

R FILING DATE: 1998-03-27

R FILING DATE: 1998-03-27

R FILING DATE: 1998-03-27

R FILING DATE: 1998-04-15

R FILING DATE: 1998-04-15

R FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/059113
FILING DATE: 1997-09-17
APPLICATION NUMBER: 60/062287
                                                                                                         APPLICATION NUMBER: 60/063549
FILING DATE: 1997-10-28
APPLICATION NUMBER: 60/064103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1998-05-22
APPLICATION NUMBER: 60/089532
FILING DATE: 1998-06-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089905
FILING DATE: 1998-06-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-06-25
APPLICATION UNMERE: 60/091982
FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/095302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1998-08-04
APPLICATION NUMBER: 60/095318
FILING DATE: 1998-08-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1998-08-11
APPLICATION UNMBER: 60/096791
FILING DATE: 1998-08-17
APPLICATION NUMBER: 60/097986
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/099812
FILING DATE: 1998-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/08441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/086392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/089538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/090472
FILING DATE: 1998-06-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/095916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 1998-08-10
APPLICATION NUMBER: 60/096146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/099598
FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 60/099816
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/082804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 1998-05-06
APPLICATION NUMBER: 60/085323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1998-08-26
APPLICATION NUMBER: 60/098544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/099803
                                                                                  ILING DATE: 1997-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ILING DATE: 1998-09-10
PRILOR PR
```

PRIOR FILING DATE: 1996-09-10
PRIOR APPLICATION NUMBER: 60/10038
PRIOR APPLICATION NUMBER: 60/10038
PRIOR PILING DATE: 1998-09-11
PRIOR APPLICATION NUMBER: 60/10039
PRIOR PILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: 60/10039
PRIOR PILING DATE: 1998-09-15
PRIOR PILING DATE: 1998-09-16
PRIOR PILING DATE: 1998-09-17
PRIOR PILING DATE: 1998-09-17
PRIOR PILING DATE: 1998-09-24
PRIOR PILING DATE: 1998-10-30
PRIOR PILING DATE: 1999-10-12
PRIOR PILING DATE: 1999-10-13
PRIOR PILING DATE: 1999-00-13
PRIOR PILING DATE: 1999-00-13
PRIOR PILING DATE: 1999-00-13
PRIOR PILING DAT

```
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 66/069873
PRIOR FILING DATE: 1997-12-17
PRIOR PELING DATE: 1998-03-20
PRIOR PELING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 78
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 86; DB 4; I
100.0%; Pred. No. 1.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.
Best Local Similarity 100.
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-075-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: BEAREY, MAIL
APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Grimeldi, J. Christopher
APPLICANT: Grimeldi, J. Christopher
APPLICANT: Grimeldi, J. Christopher
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Sephan, Jean-Philippe F.
APPLICANT: Scond, William I.
APPLICANT: Matanabe, Colin L.
APPLICANT: ACTOR ENCODING THE SAME
TITLE OF INVENTION: ACIDE ENCODING THE SAME
FILE REFERENCE: P3530PLG1
CURRENT APPLICATION NUMBER: US/10/19, 480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06387
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/06349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 86; DB 4; Length 208; Best Local Similarity 100.0%; Pred. No. 1.8e-06; Matches 16; Conservative 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: 60/131445
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-28
PRIOR PLING DATE: 1999-06-14
PRIOR PLING DATE: 1999-06-2
PRIOR PLING DATE: 1999-06-2
PRIOR PAPLICATION NUMBER: 60/14050
PRIOR PLING DATE: 1999-06-22
PRIOR PLING DATE: 1999-07-26
PRIOR PLING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: 60/14569
PRIOR PLING DATE: 1999-07-26
PRIOR PLING DATE: 1999-07-26
PRIOR PLING DATE: 1999-07-36
PRIOR PLING DATE: 1999-08-13
PRIOR PLING DATE: 1999-08-13
PRIOR PLING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/16361
PRIOR PLING DATE: 1999-11-09
PRIOR PLING DATE: 1999-11-09
PRIOR PLING DATE: 1999-11-09
PRIOR PLING DATE: 1999-11-06
PRIOR PLING DATE: 1999-11-07
PRIOR PLING DATE: 1999-11-06
PRIOR PLING DATE: 1999-12-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 78, Application US/10219075 Publication No. US20030088064A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             44 RORYLYTDDAGGTEAH 59
```

셤

```
.;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Geritien, Mary
APPLICANT: Geritien, Mary
APPLICANT: Gedawaki, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grampi, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I. AALINS ENCENTED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLG7
CURRENT APPLICATION NUMBER: US/10/219,466
CURRENT PILING DATE: 2002-08-13
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06237
PRIOR APPLICATION NUMBER: 60/06313
PRIOR FILING DATE: 1997-10-13
PRIOR FILING DATE: 1997-10-13
PRIOR PILING DATE: 1997-10-13
PRIOR APPLICATION NUMBER: 60/063919
PRIOR APPLICATION NUMBER: 60/063919
PRIOR APPLICATION NUMBER: 60/063919
PRIOR APPLICATION NUMBER: 60/06393
PRIOR APPLICATION NUMBER: 60/06393
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079294
PRIOR PILING DATE: 1998-03-20
                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 246
SEQ ID NO 78
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                           Query Match
100.0%; Score 86; DB 4; Length 208;
Best Local Similarity 100.0%; Pred. No. 1.8e-06;
Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
100.0%; Score 86; DB 4; I
Best Local Similarity 100.0%; Pred. No. 1.8e-06;
Matches 16; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Search completed: January 13, 2006, 17:33:03
Job time : 58.2903 secs
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 78, Application US/10219466
Publication No. US20030088066A1
GENERAL INFORMATION:
                                                                                                                                                                                                                      44 RORYLYTDDAQOTEAH 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo Sapien
US-10-219-466-78
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-464-78
                                                                                                                                                                                                                                                                                                                                                              RESULT 25
US-10-219-466-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a
                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                             쉱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
```

```
RESULT 2
US-11-082-389-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 4480
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 90, App. Sequence 4762, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4480, Ap
Sequence 258, App
Sequence 2206, Ap
Sequence 71, Appl
Sequence 411, Appl
Sequence 4582, Ap
Sequence 2582, Appl
Sequence 2582, Appl
Sequence 2560, Appl
Sequence 250, Appl
Sequence 260, Appl
Sequence 261, Appl
Sequence 278, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92, App]
                                                                                                                      January 13, 2006, 17:22:19; Search time 5.67742 Seconds (without alignments) 26.644 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Published Applications AA New:*

1: /cgn2_6/ptodata/2/pubpaa/USO8_NEW_FUB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_FUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO7_NEW_FUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/USO3_NEW_FUB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/USO3_NEW_FUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USO3_NEW_FUB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/USO3_NEW_FUB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USO3_NEW_FUB.pep:*
               GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-467-657-4480

US-11-082-389-258

US-10-793-626-2306

US-11-127-877-71

US-10-485-517-401

US-10-485-517-401

US-10-47-657-3018

US-11-194-246-296

US-11-194-246-296

US-11-194-246-296

US-11-194-254A-361

US-11-055-554A-361

US-11-151-601-23

US-11-151-601-23

US-11-151-601-23

US-11-151-601-23

US-11-052-554A-91

US-11-052-554A-91

US-11-052-554A-91

US-11-052-554A-91

US-11-052-554A-91

US-11-052-554A-91

US-11-052-554A-91

US-11-052-554A-91

US-11-052-554A-91

US-11-052-554A-91
                                                                                                                                                                                                                                                                                                                                                                         Fotal number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUMMARIES
                                                                                                                                                                                                                                                                                                                                       67062 segs, 9454214 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                  - protein search, using sw model
                                                                                                                                                                                                                                                                            BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                      1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                     US-10-060-765-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Perfect score:
                                                                                                                                                                                                                                                                              Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                    OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Database :
                                                                                                                                                                                                                                        Sequence:
                                                                                                                                                                                                                                                                                                                                       Searched:
                                                                                                                          Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Result
```

```
ö
                                                      Appl
Appl
Appl
Appl
App
App
App
App
                                                                                                                                                                                                                                   Sequence 6302, Ap
Sequence 6506, Ap
Sequence 772, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 258, Application US/11082389
Publication No. US20050244935A1
GENERAL INFORMATION:
APPLICANT: Pompedius, Markus
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: Aberhauer, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
TITLE OF INVENTION: TRANSPORT
TITLE OF INVENTION: TRANSPORT
TITLE OF INVENTION: TRANSPORT
TITLE OF INVENTION: TRANSPORT
FILE REFERENCE: BG1-131CPCM
CURRENT APPLICATION NUMBER: US/11/082,389
               Sequence
Sequence
Sequence
Sequence
                                                                   Sequence
Sequence
Sequence
                                                                                                         Sequence
Sequence
Sequence
                                                                                                                                                               Sequence
Sequence
Sequence
                                                                                                                                                                                                       Sequence
Sequence
Sequence
Sequence
                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       °,
                                                                                                                                                                                                                                                                                                                                                               Sequence 4480, Application US/10467657

Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PONTANA Maria Rita
APPLICANT: MASIGNAII Vega
APPLICANT: MONATION: GONOCOCCAL PROTBINS AND NUCLEIC ACIDS
FILE REFRENCE:
CURRENT APPLICANTON NUMBER: US/10/467,657
CURRENT APPLICATION NUMBER: GB-0103424.8
PRIOR PILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOUTHANE: SEQMIN99, version 1.04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 41; DB 6; Length 415;
Pred. No. 5.7;
1; Mismatches 4; Indels
                                                US-11-179-411-22
US-11-179-766-22
US-11-134-563-14
US-11-052-554A-57
US-10-095-561-802
US-10-995-561-777
US-10-995-561-779
US-10-995-561-779
US-10-995-561-775
US-10-995-561-775
US-10-995-561-775
US-10-995-561-775
US-10-995-561-775
                                                                                                                                                                                                                                US-10-467-657-6302
US-10-467-657-6506
                                                                                                                                                                                                                    US-10-485-517-345
                                                                                                                                                                                                                                                           US-10-467-657-772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           47.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 YLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 61.5
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           82 YLYTLDMÖETVRH 94
```

```
APPLICANT: Merchiers, Pascal G.
APPLICANT: Hoffmann, Marcel
APPLICANT: Hoffmann, Marcel
APPLICANT: Spittaels, Koenraad F. F.
APPLICANT: Leenen, Wendy
TITLE OF INVENTION: Methods, Compositions and Compound Assays For Inhibiting
TITLE OF INVENTION: Methods, Compositions and Compound
TITLE OF INVENTION: Methods, Compositions and Compound
TITLE OF INVENTION: Methods, Logarate Protein Production
FILE REFERENCE: P27,800-B USA
CURRENT FAPLICATION NUMBER: US/11/127,877
CURRENT FILING DATE: 2004-05-12
PRIOR PILING DATE: 2004-05-12
PRIOR FILING DATE: 2004-08-24
NUMBER OF SEQ ID NOS: 590
SCOTWARE: Petentin version 3.3
SEQ ID NO 71
LENGTH: 605
Publication No. US20050255478A1
GENERAL INFORMATION:
APPLICANT: KIMMERIAL
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: DU3480US
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT FILING DATE: 2004-03-04
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR PILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 2206
LENGTH: 219
                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence: synthetic; CTHER INFORMATION: amino acid sequence US-10-793-626-2206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 37; DB 6; Length 219;
Pred. No. 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 37; DB 7;
Pred. No. 42;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-485-517-401
; Sequence 401, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: University of Sheffield APPLICANT: Biosynexus Incorporated APPLICANT: Foster, Simon APPLICANT: Mond, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-11-127-877-71
; Sequence 71, Application US/11127877
; Publication No. US20050287565A1
                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          43.0%;
57.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  43.0%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       175 RORVLYHEDATLNE 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RQRYLYTDDAQQTE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 57.1%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 54.5
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 YTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 YTESARYTDAH 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-11-127-877-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1396, Application US/10793626
Publication No. US2000255478A1
GENERAL INFORMATION:
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480US
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT FILING DATE: 2004-03-04
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SEQ ID NO 1396
LENGTH: 301
                    PRIOR APPLICATION NUMBER: US 60/141031
PRIOR FILING DATE: 2000-06-23
PRIOR FILING DATE: 2000-06-23
PRIOR FILING DATE: 2000-06-23
PRIOR PELICATION NUMBER: US 60/141031
PRIOR APPLICATION NUMBER: US 60/141262
PRIOR APPLICATION NUMBER: US 60/151281
PRIOR FILING DATE: 1999-06-27
PRIOR FILING DATE: 1999-07-01
PRIOR FILING DATE: 1999-07-01
PRIOR PLING DATE: 1999-07-01
PRIOR PLING DATE: 1999-07-01
PRIOR PLING DATE: 1999-07-01
PRIOR PLING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: DE 19931549.3
PRIOR PILING DATE: 1999-07-08
PRIOR PLING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19931549.3
PRIOR PLING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 1993134.5
PRIOR PLING DATE: 1999-07-09
PRIOR PLING DATE: 1999-07-01
PRIOR PLING DATE: 1999-07-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: synthetic corner INFORMATION: amino acid sequence US-10-793-626-1396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               44.2%; Score 38; DB 6; Length 301; 60.0%; Pred. No. 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.3%; Score 39; DB 7; Length 373; 63.6%; Pred. No. 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , ORGANISM: Corynebacterium glutamicum US-11-082-389-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 45.3
Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            || ||:|:| |
311 LYADDSQETAA 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5 LYTDDAQQTEA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             266 TDDTEKTKAH 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7 TDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 6; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-793-626-1396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 4
US-10-793-626-2206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: (
        CURRENT
```

Gaps

; Sequence 2206, Application US/10793626

셤

ö

```
Query Match
Best Local Similarity
Matches 6; Conserval
                                                                                                                                                                                                                                                                                                                                                                                                                          JS-10-467-657-3018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE
              LENGIH: 130
                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                а
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2582, Application US/10793626
Publication No. US20050255478A1
GENERAL INFORMATION:
APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480US
CURRENT FILING NAMER: US/10/793,626
CURRENT FILING DATE: 1204-03-04
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR APPLICATION NUMBER: 60/164,258
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                          DB 6; Length 769;
55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 36; DB 6; Length 690;
Pred. No. 73;
1; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4758, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: FOUTNA MARIA Rita
APPLICANT: FONTNA MARIA Rita
APPLICANT: FONTNA MARIAGRAZIA
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
FILLE OF INVENTION: Antigenic Polypeptides
CURRENT APPLICATION NUMBER: US/10/485,517
CURRENT FILING DATE: 2004-02-02
PRIOR FILING DATE: 2001-08-02
PRIOR FILING DATE: 2001-08-02
PRIOR FILING DATE: 2001-09
NUMBER OF SEQ ID NOS: 424
SOFTWARE: Patentin version 3.1
SOFTWARE: Patentin version 3.1
LENGTH: 769
                                                                                                                                                                                                                                                                                                                                                                                                                       4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                          43.0%; Score 37; 43.8%; Pred. No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, Version 1.04
SEQ ID NO 4758
LENGTH: 690
                                                                                                                                                                                                                                                                                                  ORGANISM: Staphylococcus epidermidis US-10-485-517-401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 RQRYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :|: | |||| |: :
63 KQQSLSTDDANQNQTN 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 53.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   224 ŘLRÝĽLVĎECÓDŤ 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 RORYLYTDDAQQT 13
                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 43.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-467-657-4758
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-467-657-4758
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-793-626-2582
                                                                                                                                                                                                                                                                               TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
```

```
GENERAL INFORMATION:
APPLICANT: Mott, John
TITLE OF INVENTION: CEITICAL GENES AND POLYPEPTIDES OF HAEMOPHILUS INFLUENZAE AND ME
TITLE OF INVENTION: USE
TITLE OF INVENTION: USE
CURRENT PRIOR TOTATION NUMBER: US/11/194,246
CURRENT PILING DATE: 2005-08-01
PRIOR APPLICATION NUMBER: US/10/274,586
PRIOR APPLICATION NUMBER: US/0/345,438
PRIOR PELLING DATE: 2001-10-19
NUMBER OF SEQ ID NOS: 621
SOFTWARE: Patentin version 3.0
SEQ ID NO 296
LENGTH = 829
                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                        Gaps
                                         FEATURE:
COTHER INFORMATION: Description of Artificial Sequence: synthetic;
COTHER INFORMATION: amino acid sequence
US-10-793-626-2582
                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 339;
                                                                                                                                                            6; Length 130
                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              40.7%; Score 35; DB 6; 46.2%; Pred. No. 50;
                                                                                                                                                 DB /
                                                                                                                                                                                                   3, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 3018
LENGTH: 339
                                                                                                                                                          Score 35;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                            Sequence 3018, Application US/10467657 Publication No. US20050260581A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 296, Application US/11194246 Publication No. US20050272089A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT ORGANISM: HAEMOPHILUS INFLUENZAE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
CRGANISM: Neisseria gonorrhoeae
US-10-467-657-3018
                                                                                                                                                          40.7%;
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       46.2%;
                                                                                                                                                                                                                                               2 QRYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                         ||| :| | : |
28 QRYTFTHDLGEMDNH 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
                                                                                                                                                        Query Match
Best Local Similarity 40.0%
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 210 YRYPDDTDPSEIH 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 YLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6; Conservative
```

US-11-194-246-296

```
; sequence 314, Application US/11052554A
; Sequence 314, Application US/11052554A
; Publication No. US2005028866A1
; GENERAL INFORMATION:
; APPLICATION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; TITLE OF INVENTION: PROTEINS OF THERAPEUTIC FOTENTIAL
; FILE REPRENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2004-07-20
; PRIOR FILING DATE: 2004-07-20
; PRIOR FILING DATE: 2004-07-06
; PRIOR PRIOR OF SEQ ID NOS: 763
; SOFTWARRE: PALENTIN VERSION 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 578, Application US/10793626
Publication No. US20050255478A1
GENERAL INFORMATION:
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PUJ480UB
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT APPLICATION NUMBER: 60/164,258
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SEQ ID NOS: 4472
SEQ ID NO 578
LENGTH: 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence: synthetic OTHER INFORMATION: amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      39.5%; Score 34; DB 7; Length 195; 70.0%; Pred. No. 41; tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   39.5%; Score 34; DB 6; Length 308;
43.8%; Pred. No. 67;
tive 2; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Streptococcus mutans UA159
US-11-052-554A-361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 204, Application US/10485517; Publication No. US20050256299A1; GENERAL INFORMATION:
42 RGRLTFSDDEQPMVAH 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       42 RGRLTFSDDEQPMVAH 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match
Best Local Similarity 70.0-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7 TDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      52 TDAKOTTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
Matches 7; Conserva
                                                                                                                                        US-11-052-554A-361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 14
US-10-793-626-578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-485-517-204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-793-626-578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2650, Application US/10793626
Publication No. US20050255478A1
GENERAL INFORMATION:
TITLE OF INVENTION: WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU34880S
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT FILING DATE: 2004-03-04
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2650
LENGTH: 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Bowen, David
APPLICANT: Bowen, David
APPLICANT: Worcheleau, Thomas
APPLICANT: Worcheleau, Thomas
APPLICANT: Worcheleau, Thomas
APPLICANT: Waterfield, Nicholas
TITLE OF INVENTION: DNA SEQUENCES FROM PHOTORHABDUS LUMINESCENS
FILE REPERENCE: 61645
CURRENT APPLICATION NUMBER: US/10/647,956A
CURRENT PILING DATE: 2003-08-26
PRIOR PILING DATE: CURRENT FILING DATE: 2000-03-26
PRIOR PILING DATE: CURRENT FILING DATE: 2000-03-26
PRIOR FILING DATE: 2000-03-24
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: synthetic; OTHER INFORMATION: amino acid sequence
                                                                                                         .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 35, DB 6, Length 1476;
Pred. No. 2.5e+02;
1; Mismatches 5; Indels
                                             40.7%; Score 35; DB 7; Length 829; 53.3%; Pred. No. 1.3e+02; tive 3; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 39.5%; Score 34; DB 6; Length 158; Best Local Similarity 43.8%; Pred. No. 32; Astches 7; Indels Matches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: ffrench-Constant, Richard
                                                                                                                                                                                                                                                                                                                                               Sequence 4, Application US/10647956A Publication No. US20050251878A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT ORGANISM: Photorhabdus luminescens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 RQRYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match
Best Local Similarity 53.8%;
Matches 7; Conservative
                                                                                                                                                                                           ::| : || || || || 41 KKRTVKTDIAQQEEA 55
                                                                                                                                                            1 RORYLYTDDAQQTEA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1056 OORTFYTDGKNOT 1068
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RORYLYTDDAQQT 13
                                                                         Best Local Similarity 53.3
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-793-626-2650
                                                                                                                                                                                                                                                                                         RESULT 11
US-10-647-956A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 1476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-647-956A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 4
                                                   Query Match
                                                                                                                                                                                                            a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
```

ö

Gaps

ö

```
; FEATURE:
; OTHER INFORMATION: consensus sequence
US-11-151-601-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              lezes, Peter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cekuda,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            atell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASE, PHOSPHATASE,
TITLE OF INVENTION: AND PROTEASE PAMILY MEMBERS AND USES THEREOF
ITLE REPERENCE: MP100-054PIRCPIOMNIDVIM
CURRENT APPLICATION NUMBER: US/11/151,601
CURRENT FILING DATE: 2005-06-13
PRIOR PILING DATE: 2002-06-13
PRIOR PELING DATE: 2002-06-13
PRIOR PELING DATE: 2001-02-28
PRIOR PELING DATE: 2001-02-28
PRIOR PLING DATE: 2001-02-28
PRIOR PLING DATE: 2000-02-29
PRIOR APPLICATION NUMBER: US 60/186,061
PRIOR PLING DATE: 2001-06-15
PRIOR PLING DATE: 2001-08-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6; Length 412;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Indels
                                                                                                                FILE REFERENCE: P100629WO
CURRENT APPLICATION WOMBER: US/10/485,517
CURRENT APPLICATION WOMBER: US/10/485,517
CURRENT FILING DATE: 2004-02-02
PRIOR APPLICATION NUMBER: GB 0118825.9
PRIOR FILING DATE: 2001-08-02
PRIOR FILING DATE: 2001-09
NUMBER OF SEQ ID NOS: 424
SOFTWARE: Patentin version 3.1
SOFTWARE: Patentin version 3.1
LENGTH: 412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 34; DB Pred. No. 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Millennium Pharmaceuticals, Inc
APPLICANT: Myers, Rachel E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Olandt, Peter J.
Kapeller-Libermann, Rosana
Cuttis, Rory A. J.
Williamson, Mark
Welch, Nadine
                            Biosynexus Incorporated
Foster, Simon
Mond, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 23, Application US/11151601 Publication No. US20060003413A1 GENERAL INFORMATION:
APPLICANT: University of Sheffield
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , TYPE: PRT
, ORGANISM: Staphylococcus aureus
US-10-485-517-204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            39.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | |::|||:: |
348 RKLWSDDAKEVE 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 39.5
Best Local Similarity 50.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 RYLYTDDAQQTE 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PPLICANT
```

```
PPLICANT: Boldog, Ference
ITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
ILE REFERENCE: 21402-251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Remaining Prior Application data removed - See File Wrapper or PALM. 
WIMBER OF SEQ ID NOS: 512
                                                      ö
Length 710;
  Score 34; DB 7;
Pred. No. 1.7e+0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            URRENT APPLICATION NUMBER: US/10/055,877
URRENT FILING DATE: 2002-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/264,117
PRIOR PILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,139
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR FILING DATE: 2001-01-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRICE APPLICATION NUMBER: 60/262,892
RIOR PILING DATE: 2001-01-19
RIOR PILING DATE: 2001-01-19
RIOR PILING DATE: 2001-01-23
RIOR FILING DATE: 2001-01-23
RIOR PILING DATE: 2001-01-23
                                                                                                                                                                                                                                                                               Sequence 138, Application US/10055877
Publication No. US20050288241A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/272,870 FILING DATE: 2001-03-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/275,990
FILING DATE: 2001-03-14
APPLICATION NUMBER: 60/275,927
                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: DeCristofaro, Marc
APPLICANT: Padigaru, Muralidhara
APPLICANT: Miller, Charles
APPLICANT: Tchernev, Velizar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vernet, Corine
Taupier Jr., Raymond
Query Match
Best Local Similarity 50.0%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        atturajan, Meera
Nurgess, Cahterine
                                                                                                                                                         97 ORVĽÝVODSLEGEA 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2001-03-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shimkets, Richard
                                                                                                        2 ORYLYTDDAQQTEA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gusev, Vladimir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Shenoy, Suresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Casman, Stacie
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 163;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             38.4%; Score 33; DB 6; Length 234; 37.5%; Pred. No. 74; tive 2; Mismatches 8; Indels
                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rite
APPLICANT: PONTANA Mariagrazia
APPLICANT: MASIGGRANI Vega
APPLICANT: MONACI Eligabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                                                                                                                                                                                                         APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Eligabetta
TITLE OF INVENTION: GONOCOCCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
                     2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 33; DB 6;
Pred. No. 50;
0; Mismatches
  Best Local Similarity 66.7%; Pred. No. 8.4; Matches 6; Conservative 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/467,657 CURRENT FILING DATE: 2003-08-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: Seqwin99, version 1.04
SEQ ID NO 2238
                                                                                                                                                                                                            Sequence 8522, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-467-657-2238
Sequence 2238, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SegWin99, version 1.04
SEQ ID NO 8522
LENGTH: 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             122 RÓHFFLPDDVFGTQVH 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match 38.4%;
Best Local Similarity 75.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
                                                               5 LYTDDAQQT 13
                                                                                                         16 LHTDDGDQT 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        125 YLYTPDVÖ 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 YLYTDDAQ 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity Matches 6; Conserve
                                                                                                                                                                                                                                                                          APPLICANT: CHIRON SPA
                                                                                                                                                                                          JS-10-467-657-8522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Neis:
US-10-467-657-8522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-467-657-2238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 21
                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL.

FILE REFERENCE: 30853/40359A

CURRENT APPLICATION NUMBER: US/11/052,554A

PRIOR PLILING DATE: 2005-02-07

PRIOR FILING DATE: 2004-07-20

PRIOR PLILING DATE: 2004-07-20

PRIOR PLILING DATE: 2004-07-20

PRIOR PLILING DATE: 2004-07-20

PRIOR PLILING DATE: 2004-07-20
                                                                                                                                                                                          ó,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .;
0
                                                                                                                                              Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 2902;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                                                              Score 34; DB 6; I
Pred. No. 2.6e+02;
.0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 34; DB 7; 1
Pred. No. 7.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 1306
E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       38.4%; Score 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1306, Application US/10467657 Publication No. US20050260581A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                            Sequence 91, Application US/11052554A Publication No. US20050288866A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Helicobacter pylori J99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                 39.5%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 763
SOFTWARE: Patentin version 3.3
SEQ ID NO 91
LENGTH: 2902
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              39.5%;
75.0%;
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 138
LENGTH: 1059
                                                                                                                                                 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              39.5
Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1612 YSYSDDAO 1619
                                                                               , ORGANISM: Homo sapiens
US-10-055-877-138
                                                                                                                                                                                                                                                                       1041 QEYLYTD 1047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 YLYTDDAQ 11
                                                                                                                                                                                                                              2 QRYLYTD 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-467-657-1306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-467-657-1306
                                                                                                                                                                                                                                                                                                                                                             US-11-052-554A-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-11-052-554A-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         요
```

```
19932126.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         h 38.4%;
Similarity 75.0%;
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | | | | : : | | |
155 RARYLKRNERKQREA 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 RORYLYTDDAQQTEA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 46.7
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      149 YTDDANHT 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 YTDDAQQT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JS-10-467-657-7236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                            PRINCERAL INFORMATION:

APPLICANT: Pompejus, Markus

APPLICANT: Schoofer, Harkhard

APPLICANT: CARNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS

TITLE OF INVENTION: UNVOLVED IN HOMEOSTASIS AND ADAPTATION

CURRENT APPLICATION NUMBER: US/10/454,437

CURRENT APPLICATION NUMBER: US 1931616.8

PRIOR PELING DATE: 1995-07-09

PRIOR PELING DATE: 1995-07-09

PRIOR PELING DATE: 1999-07-09

PRIOR PELING DATE: 1999-07-14

PRIOR PELING DATE: 1999-07-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Kroger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: Aberhauer, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
FILE REPERENCE: B01-128CPCM
CURRENT APPLICATION NUMBER: US/10/454,437
CURRENT FILING DATE: 2003-06-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       38.4%; Score 33; 75.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT FILING DATE: 2003-06-13
PRIOR APPLICATION NUMBER: US 60/141031
PRIOR PILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: DE 19931636.8
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 1993125.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT CORGANISM: Corynebacterium glutamicum US-10-454-437-92
                                                Sequence 92, Application US/10454437
Publication No. US20050277115A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 90, Application US/1045437 Publication No. US20050277115A1 GENERAL INFORMATION: APPLICANT: Pompejus, Markus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        124 YTDDANHT 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6 YTDDAQQT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 6; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
```

```
ö
PRIOR FILING DATE: 1999-07-09
PRIOR FILING DATE: 1999-07-09
PRIOR PELICATION NUMBER: DE 19932127.2
PRIOR PELICATION NUMBER: DE 19932128.0
PRIOR PLING DATE: 1999-07-09
PRIOR PLING DATE: 1999-07-19
PRIOR PLING DATE: 1999-07-19
PRIOR PLING DATE: 1999-07-19
PRIOR PLING DATE: 1999-07-19
PRIOR PLING DATE: 1999-07-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 267;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 279;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 6;
85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         38.4%; Score 33; DB 6; 46.7%; Pred. No. 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 33; DB 6
Pred. No. 85;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, Version 1.04
SEQ ID NO 4762
LENGTH: 279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4762, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7236, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
0
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REPERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT PILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER: OF SEQ ID NOS: 9218
; SOFTWARE: Seqwing9, version 1.04
; SEQ ID NO 7236
; LENGTH: 279
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7236
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 38.4%; Score 33; DB 6; Length 279; Best Local Similarity 46.7%; Pred. No. 89; Matches 7; Conservative 3; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 RORYLYTDDAQOTEA 15
| | | | | : : | | |
15S RARYLKRNERKQREA 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
```

Search completed: January 13, 2006, 17:33:24 Job time : 5.67742 secs

q

28212, A 21587, A 1, Appli 7206, Ap

Scoring table:

Word size :

Searched:

Database :

Perfect score:

Sequence:

•

OM protein

ё ::

Run

29502, A 19137, A 7663, Ap 27640, A 1, Appli 2, Appli

Appl

9510, Ap 28768, A 14, Appl 14, Appl 11363, A 10, Appl 1373, Ap Appli Appli 7, App 7, App Appl

206, App 206, App

14052, 32358, 19207,

```
Sequence
Sequence
Sequence
                                      Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                           Sequence
Sequence
Sequence
                                                                                                                                         Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                      Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                         Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
Sequence
Sequence
                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                    Sequence
Sequence
                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
Sequence
Sequence
                                                                                                                                                                                                      equence
                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                Seguence
                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                         US-09-902-540-16583
US-09-489-019A-13618
US-09-252-991A-132358
US-09-252-991A-19207
US-09-252-991A-21326
US-09-99-833A-206
US-110-020-445A-206
US-09-252-991A-32927
US-09-252-991A-32927
US-09-252-991A-21817
                                                                                                                                                                    5-09-252-991A-24169

5-09-252-991A-19246

5-09-252-991A-24948

5-09-252-991A-17606

5-09-252-991A-29502
                                                                                                                                                                                                                                                                       US-09-886-319A-19
US-09-886-319A-20
US-08-677-049-2
US-09-771-161A-242
US-09-771-161A-243
US-09-79-016-9510
US-09-252-991A-28768
                                                                                                                                                                                                                                           09-252-991A-27640
                                                                                                                                                                                                                        09-252-991A-19137
                                                                                                                                                                                                                                                                                                                                                                                       US-09-252-991A-30504
                                                                                                                                                                                                                                                                                                                                                         19-016-11363
                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-954-987B-187
US-09-949-016-7401
US-08-970-269A-29
US-09-407-562-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -09-107-532A-6265
                                                                                                                                                                                                                                                                                                                                                                                                02-540-14681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-107-532A-6265
US-09-270-767-40321
US-09-270-767-55537
                                                                                                                                                                                                                                                                                                                                                                  09-976-594-10
09-538-092-1373
                                                                                                                                                                                                                                                                                                                                                                                                                                        10-020-445A-498
09-949-016-6192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-970-269A-30
US-09-407-562-30
US-09-454-204A-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3-043B-82
                                                                                                                                                                                                                                                                 07-683-957B-2
                                                                                                                                                                                                               Appli
Appli
Appli
Appli
Appli
Appli
Appli
Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Appli
Appli
                                                               January 13, 2006, 17:22:59; Search time 23 Seconds (without alignments) 751.270 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28978,
                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5, A
Sequence 5213
Sequence 6, A
Sequence 2, A
Sequence 7, A
Sequence 7, A
Sequence 7, A
Sequence 7, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    983
                                                                                                       US-10-060-765-4
209
1.MDSDETGFEHSGLWVSVLAG......SSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1
Sequence 1
Sequence 4
Sequence 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence Sequence Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                           used_Patents_AA:*
/cgn2_6/ptodata/1/laa/5_COMB.pep:*
/cgn2_6/ptodata/1/laa/f_COMB.pep:*
/cgn2_6/ptodata/1/laa/f_COMB.pep:*
/cgn2_6/ptodata/1/laa/f_COMB.pep:*
/cgn2_6/ptodata/1/laa/RE_COMB.pep:*
/cgn2_6/ptodata/1/laa/RE_COMB.pep:*
/cgn2_6/ptodata/1/laa/RE_COMB.pep:*
       GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-715-805-4
US-09-390-207-2
US-09-390-207-2
US-09-621-976-5213
US-09-621-976-5213
US-09-390-207-4
US-09-390-207-4
US-09-715-805-7
US-09-715-805-7
US-09-715-805-7
US-09-715-805-7
US-09-55-991A-19831
US-09-252-991A-19831
US-09-02-52-991A-19831
US-09-02-953-10
US-09-009-953-10
US-09-009-953-10
US-09-009-953-10
US-09-009-953-10
US-09-009-953-10
US-09-009-953-17
US-09-009-953-17
US-09-009-953-17
US-09-009-953-17
US-09-009-953-17
US-09-009-953-43
US-09-252-911A-28978
US-09-252-991A-28978
US-09-252-991A-28978
US-09-252-991A-28978
US-09-253-913-26423
                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
                                                                                                                                                                               572060 segs, 82675679 residues
                                                                                                                                                                                                                                                                        Post-processing: Listing first 1000 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                    SUMMARIES
                                             protein search, using sw model
                                                                                                                                                OLIGO
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                                                                                          Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                  В
                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
Match Length
```

Score

Result

2009 1173 79 30 30 30 30 28 16

| Sequence 11357, Sequence 27899, Sequence 10452, Sequence 3066, M Sequence 306, M Sequence 308, M Sequence 33937, Sequence 49154, Sequence 51696, | Sequence 110, App Sequence 25000, A Sequence 120, App Sequence 110, App Sequence 603, App Sequence 603, App Sequence 6782, App Sequence 2626, A Sequence 20126, A Sequence 20126, A Sequence 20136, A Sequence 20136, A Sequence 23433, A Sequence 23433, A | Sequence 55552, A Sequence 247, App Sequence 247, App Sequence 23860, A Sequence 21958, A Sequence 21958, A Sequence 250, App Sequence 250, App Sequence 1362, A Sequence 1362, A Sequence 11858, A Sequence 11858, A Sequence 11858, A Sequence 13831, A Sequence 13831, A Sequence 13831, A Sequence 13831, A Sequence 1372, App Sequence 11858, A Sequence 1185 | Sequence 14, Appl Sequence 2, Appl Sequence 2, Appl Sequence 3, Appl Sequence 3701, Ap Sequence 33, Appl Sequence 533, Appl Sequence 66, Appl Sequence 15, Appl Sequence 16, Appl |
|--|---|--|---|
| 60 - SN 60 - SN | US-09-247-155-110 US-09-252-991A-267 US-09-311-021-172 US-09-311-021-172 US-09-149-476-466 US-09-149-476-603 US-09-149-476-603 US-09-149-476-603 US-09-252-991A-201 US-09-252-991A-201 US-09-252-991A-201 US-09-252-991A-201 US-09-252-991A-201 US-09-252-991A-201 US-09-252-991A-201 US-09-673-3958-577 | US-09-270-767-558 US-09-270-767-558 US-09-674-973A-24 US-09-252-991A-23 US-09-252-991A-31 US-09-270-767-619 US-09-270-767-619 US-09-674-973A-25 US-09-674-973A-25 US-09-674-973A-26 US-09-674-864-56 US-09-902-540-136 US-09-902-540-136 US-09-270-767-618 US-09-902-540-136 US-09-270-767-618 US-09-270-767-618 US-09-270-767-618 US-09-270-767-618 US-09-270-767-618 US-09-378-352-568 | US-08-483-859-14 US-08-483-859-14 US-08-487-167-14 US-08-286-149-14 US-08-296-149-14 US-09-104-660-14 US-09-1074-660-14 US-09-106-468-14 US-09-106-468-14 US-09-106-468-14 US-09-106-468-14 US-09-106-468-14 US-09-106-467-14 US-09-106-467-14 US-09-106-467-14 US-09-106-467-14 US-09-106-467-14 US-09-522-991A-18969 US-09-522-991A-18969 US-09-522-991A-1192 US-09-522-991A-1192 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 US-09-134-075-33 |
| | | · | 11111111111111111111111111111111111111 |
| | | | ดดดดีตดดดดดดดดดดดดดดดดดดดดดดดดดดดดดด ๑๖๑๖๖๖๖๖๖๖๖ |
| | • | | |
| 174 175 176 177 178 180 181 182 183 | 1886 11988 11989 11994 11996 11996 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| | | | |
| Sequence 35016, A Sequence 50233, A Sequence 6, Appli Sequence 22, Appli Sequence 24, Appl Sequence 25, Appl Sequence 11688, A Sequence 4859, Ap Sequence 3028, Appl Sequence 3028, Ap | Sequence 625, App Sequence 132, App Sequence 226, App Sequence 176, App Sequence 176, App Sequence 176, App Sequence 295, App Sequence 295, App Sequence 176, App Sequence 176, App Sequence 275, App Sequence 275, App Sequence 276, App Sequence 870, App Sequence 870, App | · · | Sequence 399, App Sequence 399, App Sequence 399, App Sequence 349, App Sequence 349, App Sequence 389, App Sequence 389, App Sequence 2995, Ap Sequence 252, App Sequence 252, App Sequence 1705, App Sequence 1705, App Sequence 1705, App Sequence 1705, App Sequence 263, App Sequence 263, App Sequence 253, App Sequence 1315, App Sequence 253, App Sequence 250, App App Sequence 250, App App App App App App App App App Ap |
| | | on . | |
| | | | US-09-991-181-399 US-09-991-33-399 US-09-992-598-399 US-09-992-598-399 US-09-328-352-3491 US-09-107-532A-3899 US-09-107-532A-3899 US-09-269-410-9 US-09-269-410-9 US-09-269-410-9 US-09-269-410-9 US-09-252-991A-30594 US-09-605-703B-252-991A-1956 US-09-543-681A-7995 US-09-543-681A-7995 US-09-252-991A-19268 US-09-270-767-44143 |
| 000000000000000000000000000000000000000 | 00000000000000000 | | 00000000000000000000000000000000000000 |
| 6.999999999999999999999999999999999999 | | | 6. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. |
| 22.29 | 22222222222222222222222222222222222222 | 22.00 | |

| Sequence 2070, Ap Sequence 152, App Sequence 16665, A Sequence 24493, A | 41 | 27 | 212 | 27 | 12 | 28 | 15 | 23 | 26 | 7 : | 38 | 15 | 13 | 5 | 200 | 88 | 90 | 92 | 94 | 9 | 22 | 24 | 25 | 33 | 42 | 46 | 5.4 | 2 | 9 | 35 | 19 | 18 | 20. | 18 | 22 | 2.5 | 8 | Ξ. | ñ : | 2 | 12 | 36. | 47 | 23(| 12 | 7, | 30 | 83 | 212 | 3 | 202 | 197 | 3 5 | יַ נ | 'n (| 3. | 2, | 'n | 325 | 11 | 42, | 175 | · · |
|---|---|-------------------------------------|-------------------------------------|---|---|---|---------------------------------------|--|--|---|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|---|--------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--|---|--------------------------------------|--|--|--|-------------------------------------|-------------------------------------|--|------------------------------------|---|----------------------------------|---|---------------------------------------|-------------------------------------|------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|---|--------------------------------------|--|--------------------------------------|--|---|---------------------------------------|---------------------------------------|--|------------------------------------|------------------------------------|--|---|---|--------------------------------------|---|--|--|
| US-09-710-279-2070 US-09-603-208A-152 US-09-902-540-16665 US-09-252-991A-24493 | US-09-328-352-4178 | US-09-252-991A-27663 | 7-605-703B-2888 7-252-991A-2175 | US-09-252-991A-27074 | US-09-489-039A-11949 | US-09-583-110-2888 | -232-391A-2721 1-902-540-15463 | -252-991A-2373 | US-09-252-991A-26034 | -252-991A-2107 | US-08-965-056-38 | US-09-071-035-154 | US-09-902-540-15693 | US-10-206-576-154 | US-08-965-056-8 | US-09-303-518D-88 | US-09-303-518D-90 | US-09-303-518D-92 | US-09-303-518D-94 | US-08-965-056-6 | US-08-965-056-22 | US-08-965-056-24 | US-08-965-056-25 | US-08-965-056-33 | US-08-965-056-42 | US-08-965-056-46 | US-09-134-000C-5432 | US-09-082-593-10 | US-09-489-039A-9994 | US-09-252-991A-32666 | US-09-252-991A-19941 | US-09-083-268-18 | US-09-248-796A-20116 | US-08-981-998A-18 | US-10-104-047-2544 | US-09-252-991A-25198 | US-09-949-016-8160 | US-09-489-039A-13210 | US-09-252-991A-19858 | US-09-252-991A-21164 | US-09-902-540-12203 | US-09-134-000C-3671 | US-09-107-433-4723 | US-09-252-991A-23091 | US-09-489-039A-12218 | PCT-US95-04801-7 | US-09-252-991A-30310 | US-09-489-039A-8379 | US-09-252-991A-21924 | US-09-134-000C-3538 | US-09-252-991A-20997 | US-09-902-540-16493 | US-09-248-796A-23242 | US-UY-902-540-15/93 | 551459U-4 | US-08-933-750C-42 | US-09-234-613-42 | US-09-689-343E-2 | US-09-252-991A-32503 | US-09-605-703B-1154 | US-08-602-359A-42 | TIS-09-252-991A-17593 | 100-03-207-207-107-107-107-107-107-107-107-107-107-1 |
| 247 247 249 251 251 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | | | | | | | | | | | | | |
| 0000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ~ ~ ~ ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | w w | 900 | 9 | φ¢ | φ | ww | o vo | 9 | ų v | ט ע | 9 | 9 | 6 | 9 4 | 9 | ω. | Ġ | 9 | · ب | 9 1 | ١٠ | 9 1 | 9 | ω | φ | ۰ م | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | ים | ۱ م | φ, | ۰ م | 9 | ø | ø | ø | 9 | 9 | 9 | 9 | 9 | 9 | ۰ ص | φ, | φ. | 0 4 | ۰۰ | ים | ۰ ص | 9 | φ | φ | 9 | 9 | 9 | > 4 |
| , 320 322 323 | 324 | 300 | 328 | 329 | 331 | 332 | 334 | 335 | 336 |) 25 C | 339 | 340 | 341 | 342 142 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 329 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 282 | 20 C | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 1 (|
| | | | | | - | | | | _ | | _ | | _ | | | • | | | | _ | | | | | | _ | | _ | | | - | - | | - | | | | | _ | | | | _ | - | | _ | | | | | | | | | | _ | _ | _ | | | | _ | _ |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | į | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| equence equence equence | equence | equence | ednence | equence | equence | equence | ednence | ednence | equence | quence | equence | ednence | ednence | adnence | adnence | equence | adnence | adnence | adnence | duence | ednence | dnence | daence | adnence | adnence | drence | dnence | adnence | drence | squence 412, App | squence 27348, A | dnence | dnence | guence | quence | drence | duence | duence | daence | quence | dnence | guence | drence | guence | guence | guence | dnence | dneuce | quence | quence | dneuce | duence | drence | duence | duence | dneuce | quence | quence | drence | quence | quence | quence | drence |
| Sequence Sequence Sequence Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Seguence | Sequence | Sequence | Seguence | Seguence | Seguence | Sequence | Sequence 412, App | Sequence 27348, A | Seguence | Sequence | Seguence | Sequence | sednence | sednence | seguence | sedneuce | Sequence | Seguence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sednence | sednence | Sednence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | acrembas |
| 2 US-10-121-757B-2 Sequ 2 US-09-252-991A-17550 Sequ 2 US-09-252-991A-19243 Sequ 2 US-09-252-991A-28054 Sequ | 2 US-09-220-528-116. Sequence 2 US-09-134-000C-6396 Sequence | 2 US-09-257-179-90 Sequence | 2 US-09-970-711-54 Sequence | 2 US-09-252-991A-19943 Sequence 2 US-09-270-767-42883 Sequence | 2 US-09-248-796A-26412 Sequence | 2 US-09-902-540-10376 Sequence 2 US-09-252-991A-26521 Semience | 2 US-09-603-208A-202 Sequence | 2 US-09-107-532A-7291 Sequence | 2 US-09-673-395A-613 Sequence 2 HS-08-861-7748-76 Sequence | 2 US-09-252-991A-22182 Sequence | 2 US-09-907-794A-59 Sequence | 2 US-09-905-125A-59 Sequence | 2 US-U9-902-775A-59 Sequence | 2 US-09-906-700-59 Sequence | 2 US-09-248-796A-18200 Sequence | 2 US-09-903-603A-59 Sequence | 2 US-09-904-920A-59 Sequence | 2 US-09-949-016-8206 Sequence | 2 US-09-909-064-59 Sequence | 2 US-09-905-381A-59 Sequence | 2 US-UY-906-618-59 Sequence | 2 US-09-906-646-59 Sequence | 2 US-09-904-462-59 Sequence | 2 US-09-902-736A-59 Sequence | 2 US-09-906-722A-59 Sequence | 2 US-US-ZSZ-YSIA-ISSBS Sequence | 2 US-U9-252-991A-29586 Sequence | 2 US-10-360-101-260 Sequence | 2 US-09-902-540-16147 Sequence | 2 US-09-602-787A-412 Sequence 412, App | 2 US-09-252-991A-27348 Sequence 27348, A | 2 US-09-855-323-14 Sequence | 2 US-09-439-554-28 Sequence | 2 US-09-902-540-15523 Sequence | 1 US-08-3/9-280-5 Sequence | 2 US-US-252-391A-30629 Sequence | 2 US-US-454-204A-41 Sequence | 2 US-UY-4//-135A-138 · Sequence | 2 US-09-73/-710 Sequence | 2 US-09-533-029-54 Sequence | 1 US-08-494-907-8 Sequence | 2 US-09-489-039A-8375 Sequence | 2 US-09-792-251-11 Sequence | 2 US-09-105-117K-2 Sequence | 4 PCT-US96-10986-8 Seguence | 2 US-09-489-039A-13099 Sequence | 2 US-09-071-035-156 Sequence | 2 US-09-949-016-11317 Sequence | 2 US-10-206-576-156 Sequence | 2 US-09-543-681A-5332 Sequence | 2 US-09-252-991A-31100 Sequence | 2 US-09-540-236-2487 Sequence | 1 11G-08-84E-808-3 | 110 00 000 E37 2 | 2 US-09-206-337-2 | 2 US-U9-43U-854-2 Sequence | 2 US-09-134-001C-2961 Sequence | 2 US-09-489-039A-13302 Sequence | 2 US-09-252-991A-26246 Sequence | 2 US-09-198-452A-37 Sequence | 2 US-09-252-991A-18687 Sequence | 2 US-09-902-540-15270 Sequence | 2 02-03-34-34-04-03-03-03-03-03-03-03-03-03-03-03-03-03- |
| 2 US-10-121-757B-2 Sequence 2 US-09-252-991A-17550 Sequence 2 US-09-252-991A-19243 Sequence 2 US-09-252-991A-28054 Sequence | 2 US-09-220-528-116. Sequence 2 US-09-134-000C-6396 Sequence | 2 US-09-257-179-90 Sequence | 2 US-09-970-711-54 Sequence | 2 US-09-252-991A-19943 Sequence 2 US-09-270-767-42883 Sequence | 2 US-09-248-796A-26412 Sequence | 2 US-09-902-540-10376 Sequence 2 US-09-252-991A-26521 Semience | 2 US-09-603-208A-202 Sequence | 2 US-09-107-532A-7291 Sequence | 2 US-09-673-395A-613 Sequence 2 HS-08-861-7748-76 Sequence | 2 US-09-252-991A-22182 Sequence | 2 US-09-907-794A-59 Sequence | 2 US-09-905-125A-59 Sequence | 2 US-U9-902-775A-59 Sequence | 2 US-09-906-700-59 Sequence | 2 US-09-248-796A-18200 Sequence | 2 US-09-903-603A-59 Sequence | 2 US-09-904-920A-59 Sequence | 2 US-09-949-016-8206 Sequence | 2 US-09-909-064-59 Sequence | 2 US-09-905-381A-59 Sequence | 2 US-UY-906-618-59 Sequence | 2 US-09-906-646-59 Sequence | 2 US-09-904-462-59 Sequence | 2 US-09-902-736A-59 Sequence | 2 US-09-906-722A-59 Sequence | 2 US-US-ZSZ-YSIA-ISSBS Sequence | 2 US-U9-252-991A-29586 Sequence | 2 US-10-360-101-260 Sequence | 2 US-09-902-540-16147 Sequence | 2 US-09-602-787A-412 Sequence 412, App | 2 US-09-252-991A-27348 Sequence 27348, A | 2 US-09-855-323-14 Sequence | 2 US-09-439-554-28 Sequence | 2 US-09-902-540-15523 Sequence | 1 US-08-3/9-280-5 Sequence | 2 US-US-252-391A-30629 Sequence | 2 US-US-454-204A-41 Sequence | 2 US-UY-4//-135A-138 · Sequence | 2 US-09-73/-710 Sequence | 2 US-09-533-029-54 Sequence | 1 US-08-494-907-8 Sequence | 2 US-09-489-039A-8375 Sequence | 2 US-09-792-251-11 Sequence | 2 US-09-105-117K-2 Sequence | 4 PCT-US96-10986-8 Seguence | 2 US-09-489-039A-13099 Sequence | 2 US-09-071-035-156 Sequence | 2 US-09-949-016-11317 Sequence | 2 US-10-206-576-156 Sequence | 2 US-09-543-681A-5332 Sequence | 2 US-09-252-991A-31100 Sequence | 2 US-09-540-236-2487 Sequence | 1 11G-08-84E-808-3 | 110 00 000 E37 2 | 2 US-09-206-33/-2 | 2 US-U9-43U-854-2 Sequence | 2 US-09-134-001C-2961 Sequence | 2 US-09-489-039A-13302 Sequence | 2 US-09-252-991A-26246 Sequence | 2 US-09-198-452A-37 Sequence | 2 US-09-252-991A-18687 Sequence | 2 US-09-902-540-15270 Sequence | 2 02-03-34-34-04-03-03-03-03-03-03-03-03-03-03-03-03-03- |
| .9 197 2 US-10-121-757B-2 Sequence 9 198 2 US-09-252-991A-17550 Sequence .9 200 2 US-09-252-991A-19243 Sequence .9 200 2 US-09-252-991A-28054 Sequence | .9 201 2 US-09-220-528-116· Sequence .9 201 2 US-09-134-000C-6396 Sequence | 9 202 2 US-09-257-179-90 Sequence | .9 205 2 US-09-970-711-54 Sequence | .9 209 2 US-09-252-991A-19943 Sequence .9 209 2 US-09-270-767-42883 Sequence | .9 209 2 US-09-248-796A-26412 Sequence | .9 212 2 US-09-902-540-10376 Sequence .9 212 2 US-09-252-991A-26521 Sequence | .9 212 2 US-09-603-208A-202 Sequence | .9 213 2 US-09-107-532A-7291 Sequence | .9 213 2 US-09-673-395A-613 Sequence | 9 216 2 US-09-252-991A-22182 Sequence | 9 216 2 US-09-907-794A-59 Sequence | 9 216 2 US-09-905-125A-59 Sequence | 9 216 2 US-U9-902-775A-59 Sequence | .9 216 2 US-09-715-805-10 Sequence | 9 216 2 US-09-248-796A-18200 Sequence | 9 216 2 US-09-903-603A-59 Sequence | 9 216 2 US-09-904-920A-59 Sequence | .9 216 2 US-09-949-016-8206 Sequence | 9 216 2 US-09-909-064-59 Sequence | Sequence | 216 2 US-UY-9U6-618-59 Sequence | 216 2 US-09-906-646-59 Sequence | 3 216 2 US-09-904-462-59 Sequence | 9 216 2 US-09-902-736A-59 Sequence | 9 216 2 US-09-906-722A-59 Sequence | 21/ 2 US-US-222-991A-19563 Sequence | 9 218 2 US-U9-252-991A-29586 Sequence | 9 218 2 US-10-360-101-260 Sequence | 9 221 2 US-09-902-540-16147 Sequence | 9 222 2 US-09-602-787A-412 Sequence 412, App | 225 2 US-09-252-991A-27348 Sequence 27348, A | 9 225 2 US-09-855-323-14 Sequence | 9 227 2 US-09-439-554-28 Sequence | 9 227 2 US-09-902-540-15523 Sequence | 9 228 1 US-08-3/9-280-5 Sequence | 32 2 US-US-224-391A-30529 Sequence | 229 2 US-US-1914-41 Sequence | 3 230 2 US-US-4//-135A-138 . Sequence | 230 2 US-09-093-737-210 Sequence | 9 234 2 US-U9-533-U29-54 Sequence | 9 236 1 US-08-494-907-8 Sequence | 9 236 2 US-09-489-039A-8375 Seguence | 9 236 2 US-09-792-251-11 Seguence | 9 236 2 US-09-105-117K-2 Sequence | 9 236 4 PCT-US96-10986-8 Seguence | 9 237 2 US-09-489-039A-13099 Sequence | 9 238 2 US-09-071-035-156 Sequence | 9 238 2 US-09-949-016-11317 Sequence | 9 238 2 US-10-206-576-156 Sequence | 9 239 2 US-09-543-681A-5332 Sequence | 9 240 2 US-09-252-991A-31100 Sequence | 9 240 2 US-09-540-236-2487 Sequence | 2 241 2 02-03-302-340-100/3 Sequence | 242 I 02-04-843-938-2 Sequence | 242 2 US-US-208-53/-2 Sequence | 9 242 2 US-U9-43U-854-2 Sequence | 9 243 2 US-09-134-00IC-2961 Sequence | 9 243 2 US-09-489-039A-13302 Sequence | 9 244 2 US-09-252-991A-26246 Sequence | 9 245 2 US-09-198-452A-37 Sequence | 9 246 2 US-09-252-991A-18687 Sequence | 9 246 2 US-09-902-540-15270 Seguence | ממשמת מונים מיים מיים מיים מיים מיים מיים מיים מ |
| US-10-121-757B-2 Sequence US-09-252-991A-17550 Sequence US-09-252-991A-19243 Sequence US-09-252-991A-28054 Sequence | 2.9 201 2 US-09-220-528-116· Sequence 2.9 201 2 US-09-134-000C-6396 Sequence | 2.9 202 2 US-09-257-179-90 Sequence | 2.9 205 2 US-09-970-711-54 Sequence | 2.9 209 2 US-09-252-991A-19943 Sequence 2.9 209 2 US-09-270-767-42883 Sequence | 2.9 209 2 US-09-248-796A-26412 Sequence | 2.9 211 2 US-09-902-540-10376 Sequence 2.9 212 2 US-09-252-991A-26521 Sequence | 2.9 212 2 US-09-603-208A-202 Sequence | 2.9 213 2 US-09-107-532A-7291 Sequence | 2.9 213 2 US-09-673-395A-613 Sequence | 2.9 216 2 US-09-252-991A-22182 Semience | 2.9 216 2 US-09-907-794A-59 Sequence | 2.9 216 2 US-09-905-125A-59 Sequence | 2.9 216 2 US-U9-902-775A-59 Sequence | 2.9 216 2 US-09-906-700-59 Sequence | 2.9 216 2 US-09-248-796A-18200 Sequence | 2.9 216 2 US-09-903-603A-59 Sequence | 2.9 216 2 US-09-904-920A-59 Sequence | 2.9 216 2 US-09-949-016-8206 Sequence | 2.9 216 2 US-09-909-064-59 Sequence | 2.9 216 2 US-U9-905-38IA-59 Sequence | 2.9 216 2 US-US-9U6-518-59 Sequence | 2.9 216 2 US-09-906-646-59 Sequence | 2.9 216 2 US-09-904-462-59 Sequence | 2.9 216 2 US-09-902-736A-59 Sequence | 2.9 216 2 US-09-906-722A-59 Sequence | 2.3 21/2 US-US-ZSZ-SSZR-TSSSS SEQUENCE | 2.9 218 2 US-U9-252-991A-29586 Sequence | 2.9 218 2 US-10-360-101-260 Sequence | 2.9 221 2 US-09-902-540-16147 Sequence | 2.9 222 2 US-09-602-787A-412 Sequence 412, App | 2.9 225 2 US-09-252-991A-27348 Sequence 27348, A | 2.9 225 2 US-09-855-323-14 Sequence | 2.9 227 2 US-09-439-554-28 Sequence | 2.9 227 2 US-09-902-540-15523 Sequence | 2.9 228 1 US-08-3/9-280-5 Sequence | 2.3 2.2 2 US-US-25Z-391A-3U6Z9 Sequence | 2.9 22.9 2 US-US-454-41 Sequence | 2.3 230 2 US-UY-4//-135A-138 . Sequence | 2.7 2.9 2 US-09-09-73-73 000 Sequence | 2.9 234 2 US-U9-533-U29-54 Sequence | 2.9 236 1 US-08-494-907-8 Sequence | 2.9 236 2 US-09-489-039A-8375 Sequence | 2.9 236 2 US-09-792-251-11 Sequence | 2.9 236 2 US-09-105-117K-2 Sequence | 2.9 236 4 PCT-US96-10986-8 Sequence | 2.9 237 2 US-09-489-039A-13099 Sequence | 2.9 238 2 US-09-071-035-156 Sequence | 2.9 238 2 US-09-949-016-11317 Sequence | 2.9 238 2 US-10-206-576-156 Sequence | 2.9 239 2 US-09-543-68IA-5332 Sequence | 2.9 240 2 US-09-252-991A-31100 Sequence | 2.9 240 2 US-09-540-236-2487 Sequence | 2.3 241 2 US-US-US-D4U-IUU/S SEQUENCE | 2.3 242 I US-US-04-04-04-05-2 Sequence | 2.3 242 2 US-US-208-33/-2 Sequence | 2.9 242 2 US-U9-43U-854-2 Sequence | 2.9 243 2 US-09-134-00IC-2961 Sequence | 2.9 243 2 US-09-489-039A-13302 Sequence | 2.9 244 2 US-09-252-991A-26246 Sequence | 2.9 245 2 US-09-198-452A-37 Sequence | 2.9 246 2 US-09-252-991A-18687 Sequence | 2.9 246 2 US-09-902-540-15270 Sequence | 90190000 01701-010-10-10-10-10-10-10-10-10-10-10-10- |

| 2006 | 2 |
|--------|---|
| č | 5 |
| > | < |
| ٦ | ′ |
| | |
| 5 | 4 |
| c | 5 |
| • | ٠ |
| a | ٥ |
| Q V | ۲ |
| • | ٠ |
| _ | 1 |
| - | |
| 7 | • |
| - | 4 |
| | |
| ſ | 4 |
| ¢ | ø |
| E C |) |
| , | n |
| : | - |
| ż | د |

us-10-060-765-4.oligo.rai

| | aquence aquence aquence aquence | aquence 3 | adnence | adnence adnence | adnence | equence : | equence (| adnence | equence | adnence | ednence ednence | equence equence | adnence | equence | equence (| equence (| equence (| equence (| equence | edneuce | ednence | equence (| equence | equence | equence | edneuce | ednence | ednence |
|--|---|---|--|---|---|--|---|--|--|---|--|--|---|--|--|---|--|---|---|-------------------------------------|--|--|-------------------------------------|---|-------------------------------------|--|---|--|
| US-09-480-1954-9152 US-08-932-8718-2 US-09-476-919-2 US-09-476-919-2 US-09-716-9648-110 US-09-252-991A-3129 US-09-549-6187 | -60-SD -60-SD | US-10- US-09- US-10- US-09- | US-09- US-10- US-09- | -60-SD | -60-SD -60-SD | -60-SD | US-09- | US-09-902-540-10378 US-09-902-540-10378 | -60-SD -60-SD | US-09-248-796A-2423 US-08-981-825-6 | US-09-480-784-6 US-09-248-796A-1874 | -60-SD | US-09-252-991A-2562 US-09-902-540-10491 | -60-SD | -60-SD | US-09- | -80-SD | US-09-134-000C-6742 US-09-134-000C-6742 | -60-SD | -60-SD | US-09-724-623-91 | -60-SD | US-08- | -60-SD | US-09- | -80-SD | -60-SD | US-09-107-532A-6329 |
| 3867 3867 3470 370 370 370 370 | 72 73 75 55 | 27.5 27.5 27.5 | 77. | 8 8 8 | 0 8 8 | 982 | 88 88 88 | 0 0 0 | 000 | 2 2 2 | 200 | 000 | 111 | 200 | 900 | 388 | 388 | 9 9 9 | 4.0 | . 9 9 | 6 6 | 606 | 25 | 20 | 0 0 | 22: | 111 | |
| , , , , , , , , , , , , , , , , , , , | | | | | | | | | | | | | | | | | | | | | | | • | | | | | |
| νουουουσο | ω ω ω ω ω | ขขขข | | | v v v | . w w | www | ooo | ง o u | οφφ | φφ | y ov ov | ooo | o o u | o vo vo | o w w | . w w | o vo v | , , , | owi | യ യ | 99 | · w · | oω | ωų | | φφι | و ہ |
| 4 4 4 4 4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 | 474 474 475 774 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 8 1 4 4 8 1 4 8 2 4 2 4 | 4883 | 486 487 | 4 4 8 9 4 4 9 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 492 | თთσ | 4997 498 | $\sigma \circ c$ | , , , | 00 | O O C | 0 - | | | | | 4 (X) (| 4 W C | 401 | \sim | ~~ | (7) | ຠຕ | m r | ກຕ | וחחו | 537 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sequence 8079, Ap Sequence 8079, A Sequence 4028, A Sequence 3102, Ap Sequence 10498, A Sequence 4, Appli Sequence 5, Appli Sequence 5, Appli | | | | | | | | | | | | | | | | | | | | | | 41 41 | | | | | 41 41 | 4. 4. |
| | 3-252-991A-23188 Sequence 3-107-532A-6372 Sequence 3-832-399-2 Sequence 3-372-498-2 Sequence 3-356-171E-5192 Sequence | 3.781-986A-5192 Sequence 9-248-796A-17608 Sequence 9-583-110-2973 Sequence 9-902-540-9722 Sequence | 9-134-001C-4996 Sequence 9-902-540-11045 Sequence 9-902-540-11047 Sequence | 0-107-433-4809 Sequence 4 1-956-171E-5208 Sequence 3-781-986A-5208 Sequence | 3-134-001C-3811 Sequence 3 3-252-991A-23136 Sequence 3 | 9-967-552A-24 Sequence 3-248-796A-18474 Sequence | 3-961-083-52 Sequence 3-536-784-52 Sequence 3-745-52 | 7-765-272A-52 Sequence 3-765-272A-52 Sequence 3-987-121A-4 | 3-066-512-2 3-252-991A-16707 Sequence | 7-10/-532A-4238 Sequence 9 9-583-110-4857 Sequence 9 9-107-433-4221 Sequence 9 | 9-902-540-11690 Sequence | 3-902-540-12986 Sequence 3-705-771-20 Sequence 3-134-0017-3709 | 3-252-991A-18833 Sequence 3-252-991A-32981 Sequence 3-252-991A-32981 | 9-417-540-20 Sequence 9-902-540-14011 Sequence | 9-505-703B-25903 Sequence 3-252-991A-25903 Sequence 3-252-991A-25903 Sequence 3-252-991A-25903 | 7-252-991A-310/3 Sequence 9-252-991A-33058 Sequence | 7-248-7991A-27200 Sequence 3-252-991A-27200 Sequence 5-252-991A-27200 | 7-252-991A-2940z sequence 3-902-540-11692 Sequence 5-911-92 sequence | 3-411-/31A-3// Sequence 3-483-926A-12 Sequence | 9-248-796A-15236 Sequence | 3-252-991A-19842 sequence 3-252-991A-32769 Sequence | 9-489-039A-9887 Sequence 3-199-637A-323 Sequence | 9-252-991A-21457 Sequence | 9-902-540-11356 Sequence 3-169-048-4 Sequence | 9-252-991A-16733 Sequence | 3-252-991A-17551 Sequence 3-328-352-5803 Sequence | 9-142-108C-25 Sequence 3-314-048A-32 Sequence | 3-314-048A-96 Sequence 3-252-991A-19037 Sequence |
| 2 US-09-328-328-8079 Sequence US-09-328-352-8079 Sequence US-09-20-207-46289 Sequence US-09-10-279-3102 Sequence US-08-902-540-10498 Sequence US-08-864-799-4 Sequence US-08-864-799-5 Sequence US-08-864-799-5 Sequence US-08-864-799-5 Sequence US-08-999-016-11333 Sequence | 2 US-09-252-991A-23188 Sequence 2 US-09-107-532A-6372 Sequence 2 US-08-812-399-2 Sequence 2 US-09-372-498-2 Sequence 2 US-08-955-171E-5192 Sequence | 2 US-08-781-986A-5192 Sequence 2 US-09-248-796A-17608 Sequence 2 US-09-583-110-2973 Sequence 2 US-09-902-540-9722 Sequence | 2 US-09-134-001C-4996 Sequence 2 US-09-902-540-11045 Sequence 2 US-09-902-540-11047 Sequence 3 | 2 US-09-107-433-4809 Sequence 2 US-08-956-171E-5208 Sequence 2 US-08-781-986A-5208 Sequence | 2 US-09-134-001C-3811 Sequence 2 US-09-25-991A-23136 Sequence 2 US-08-09-25-3136 Sequence 2 | 2 US-09-248-796A-18474 Sequence | 2 US-08-961-083-52 Sequence 3 US-08-05-136-184-52 Sequence 3 US-09-346-136-131-52 Sequence 5 US-08-146-136-136-136-136-136-136-136-136-136-13 | 2 US-09-765-272A-52 Sequence 2 US-08-987-121A-4 Sequence | 2 US-09-066-512-2 2 US-09-252-991A-16707 Sequence | 2 US-09-10/-532A-4238 Sequence 2 US-09-583-110-4857 Sequence 2 US-09-107-433-4221 Sequence 0 | 2 US-09-902-540-11690 Sequence 2 US-09-252-991A-31633 Sequence | 2 US-09-902-540-12986 Sequence 2 US-08-702-771-20 Sequence 3 US-08-702-771-20 Sequence | 2 US-09-252-991A-18833 Sequence 2 US-09-252-991A-32981 Sequence | 2 US-09-417-540-20 Sequence 2 US-09-902-540-14011 Sequence | 2 US-09-252-991A-25903 Sequence 2 US-09-252-991A-25903 Sequence 2 US-06-252-991A-25903 Sequence 2 US-06-252-2903 Sequence 2 US-06-252-2904 | 2 US-US-122-991A-310/3 Sequence 2 US-09-252-991A-33058 Sequence 2 US-08-20-20-20-20-20-20-20-20-20-20-20-20-20- | 2 US-09-2548-7991A-18832 Sequence 2 US-09-252-991A-27200 Sequence 2 US-09-252-991A-27200 Sequence 2 | 2 US-09-252-991A-2940z Sequence 2 US-09-902-540-11692 Sequence 2 US-09-902-540-11692 Sequence 2 | 1 US-08-311-/31A-3// Sequence 1 US-08-483-926A-12 Sequence 1 | 2 US-09-248-796A-15236 Sequence | 2 US-09-252-991A-19842 Sequence 2 US-09-252-991A-32769 Sequence | 2 US-09-489-039A-9887 Sequence 2 US-09-199-637A-323 Sequence | 2 US-09-252-991A-21457 Sequence | 2 US-09-902-540-11356 Sequence 2 US-10-169-048-4 Sequence | 2 US-09-252-991A-16733 Sequence | 2 US-09-252-991A-17551 Sequence 2 US-09-328-352-5803 Sequence | 2 US-09-142-108C-25 Sequence 2 US-10-314-048A-32 Sequence | 2 US-10-314-048A-96 Sequence 2 US-09-252-991A-19037 Sequence |
| US-09-228-352-8079 Sequence US-09-278-352-80797 Sequence US-09-270-767-46289 Sequence US-09-710-279-3102 Sequence US-08-902-540-10498 Sequence US-08-864-799-5 Sequence US-08-864-799-5 Sequence US-08-864-799-5 Sequence US-09-949-016-11333 Sequence | 318 2 US-09-252-991A-23188 Sequence 318 2 US-09-107-532A-6372 Sequence 319 2 US-08-812-399-2 Sequence 320 2 US-08-956-171E-5192 Sequence 320 2 US-08-956-171E-5192 Sequence | 320 2 US-08-781.515.2 Sequence 320 2 US-09-284-796A-17608 Sequence 321 2 US-09-583-110-2973 Sequence 323 2 US-09-902-540-9722 Sequence | 324 2 US-09-134-001C-4996 Sequence 324 2 US-09-902-540-11045 Sequence 324 2 US-09-902-540-11047 Sequence | 325 2 US-09-107-433-4809 Sequence 327 2 US-08-956-171E-5208 Sequence 327 2 US-08-781-986A-5208 Sequence | 330 2 US-09-134-001C-3811 Sequence 330 2 US-09-252-991A-23136 Sequence 330 2 US-09-252-991A-23136 Sequence 330 2 US-09-252-991A-23136 Sequence 330 2 US-09-252-991A-23136 | 331 2 US-09-267-552A-24 Sequence 332 2 US-09-248-796A-18474 Sequence 3 | 335 2 US-08-961-083-52 Sequence 335 2 US-08-336-784-52 Sequence 335 2 US-09-236-784-52 Sequence 335 2 US-08-236-731-82 | 335 2 US-09-765-272A-52 Sequence 336 2 US-08-987-121A-4 Sequence 4 | 336 2 US-09-066-512-2 Sequence 336 2 US-09-252-991A-16707 Sequence 336 2 US-09-252-991A-16707 Sequence | 336 2 US-09-10/-532A-4238 Sequence 336 2 US-09-10/-4857 Sequence 336. 2 US-09-107-433-4231 Sequence | 336 2 US-09-902-540-11690 Sequence 338 2 US-09-252-991A-31633 Sequence 3 | 338 2 US-09-902-540-12986 Sequence 340 2 US-08-705-71-20 Sequence 340 2 US-08-705-71-20 Sequence 340 2 US-08-705-7004-2700 | 340 2 US-09-252-991A-18833 Sequence 340 2 US-09-252-991A-32981 Sequence 340 2 US-09-252-991A-32981 Sequence 3 | 340 2 US-09-417-540-20 Sequence 340 2 US-09-902-540-14011 Sequence | 342 2 US-09-605-7036-250 Sequence 343 2 US-09-252-9914A-25903 Sequence 343 7 IR-06-252-9914A-25903 | 345 2 US-09-252-991A-310/3 Sequence 345 2 US-09-252-991A-33058 Sequence 346 2 Tro-00-346-7667-16633 | 345 Z US-09-2248-796A-1883Z Sequence 346 Z US-09-252-991A-27200 Sequence 347 Z 170 Decision Communication Communic | 346 2 US-09-254-991A-29402 Sequence 346 2 US-09-902-540-11692 Sequence 346 2 US-09-902-540-11692 Sequence 346 2 US-09-902-540-11692 | 34/ Z US-08-311-/31A-3// Sequence 349 1 US-08-483-926A-12 Sequence 349 1 US-08-487-37-37-37-37-37-37-37-37-37-37-37-37-37 | 349 Z US-09-2/8-796A-15236 Sequence | 353 2 US-09-252-991A-19842 Sequence 353 2 US-09-252-991A-32769 Sequence | 355 2 US-09-489-039A-9887 Sequence 356 2 US-09-199-637A-323 Sequence | 356 2 US-09-252-991A-21457 Sequence | 356 2 US-09-902-540-11356 Sequence 356 2 US-10-169-048-4 Sequence | 357 2 US-09-252-991A-16733 Sequence | 360 2 US-09-252-991A-1751 Sequence 363 2 US-09-328-352-5803 Sequence | 363 2 US-09-142-108C-25 Sequence 363 2 US-10-314-048A-32 Sequence | 363 2 US-10-314-048A-96 Sequence |

| The control of the co | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|---|---|--|--|---|--|--|---|---------------------------------------|---|--|--|---|--|---|--|---|---|---|--|---------------------------------------|---|---|---|---|--|--|--|---|--|--|--|---|
| | *** | , 4 4 | 4 & 4 | (4 4 | ii. | ld A | lgo i lo | Ap | A d d | 124 | (4 <u>-</u> | 146 | (4 § | Ap Ap | g 4 | 4 4 4 | 2 4 4 5 | ا بر بر ا بر بر | ቒ፟ቒ | לקין נוני | i di | Į K | Ap | 4 4 | 4 :I | ďď | ZG. | 1:1: | 4:1 | 덚성 | <u>ئ</u> مر، | 4 A | 4 4 | 4 4 | 4 |
| | 06966, 7612, 1559, | 685, | 816, 816, | 3907, | App. | 7, AF 5599, | 4, AF | 847, | 524, 4. Ar | 4, A | 1820, | 4659, | 2663, | 538, | 239, | 0193, | 1, Ap | App | 2, Ap | 2, Ap | , App o, Ap | 2, Ap 2798, | 809, | 2959, 8266, | 0731, App | 1, Ap | , P | 1, App | App , | 1, Ap | 3963, | 8422, 4532, | 5958, | 1753, | 2143, |
| Column C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Column C | | eque | Seque | eque: | seque: | seque: | eque | eque | eque eque | eque | edne | | edne | edne | eque | eque | eque | eque | equer | eque | eque | eque | edne | equer | equer | equer | equer | equer | equer | equer | equer | equer | equer | equer | equer |
| Column C | , 0, 0, 0, 0, | , 0, 0, 0 | , u, u | 3 03 03 | 0 0 | <i>თ</i> თ | 0) 0) |) () () | , v, v, | | 3 03 0 | ט נט מ | י נט נ | ינטנ | ט מט מ | n co c | ກຜຜ | ഗഗ | ഗഗ | ഗഗ | ທທ | ഗഗ | ינטני | ໝ | വ വ | co co | ഗ | ທ ເນ | ທ ທ | o, o | י מי נ | מטמ | SS | ഗ ഗ | ິດ |
| Column C | 4 0 H 0 F | . 0 4 | 4 4 | . 0 4 | | ō | | 7 | | ~ | N CO | 10.0 | 10 | | o - | - m | | | | | | ~ | | 20.10 | ~ | | | | | | 3 10 C | ~1 ~1 | 10 -4 | | |
| 2.2 1612 201 | -1024 A-269 A-276 -1155 | -2685 A-565 | A-616 -7816 -7816 | A-239 A-255 | -1 -44 | A-27 A-155 | 4.5 | C-484 -8744 | -9524 A-24 | 8-24 8-184 | A-318 | A-246 | A-326 | -5179 | A-723 | -1019 | -4514 A-21 -21 | -3-7 | -25 A-22 | -25 | -10 | -32 A-327 | -8809 | A-329 A-282 | A-107 -2 | 0-21 | -21 | 3-21 | -4 | -61 | A-139 | 4-184 -1453 | 4-259 | 4-217 | 4-321 |
| 2.2 1612 201 | 2-991 2-991 3-016 3-016 | 1-047 | 177-7 1-016 | 1991 | 7-037 | 7-791. 3-796. | 3-504 | 1-001 | 0-016 | 0575 | -991 | -991 | -991 | -016 | - 532 | - 016 | 855 | -338 | -001 | -899 | -415 | -104 | -016 | -991 | -039 | -8521 | -818 | -656 | -642 | -230 | -0397 | -796/ | -9917 | -9917 | -9917 |
| 2.2 1612 201 | 9-25 | 01-01-01-01-01-01-01-01-01-01-01-01-01-0 | 40-00 | 9-25 | 8-48 9-36 | 9-36 | 0-34 | 9-13 | 9-94- | US95 | 9-25 | 9-25 | 9-25 | 9-0-0 | 9-10 | 0.40 | 9-40 | 8-194 8-444 | 8-723 | 9-206 | 3-68 | 9-39 | 9-646 | 9-25 | 9-489 | 8-403 | 9-23 | 9-63 | 9-537 | 0-164 | 9-489 | 9-24 | 9-252 | 9-252 | 9-25 |
| 12. 3 441.2 USO 5517-113-1625 Sequence 4071, Ap. (19.1 19.1 19.1 19.1 19.1 19.1 19.1 19 | SD -SD | US-SU | US-ST | sn Sn | ns-sn | ns-c | US-1 | ns-can | Sin Sin | PCT- | Sh Sh | SD - SI | Sn | SD -SD | SD SE | SD SD | o-sn | o-sn | ns-c | o-sn | ns-c | o-sn | o-sn | us-o | us-o | 0-SU | o-sn | ns-on | o-sn | US-1 | 0-80 | us-o | US-0 | 0-SU | us-o-sn |
| 2.5 411 2 10 10 10 10 10 10 10 10 10 10 10 10 10 | | | | • | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 4115 2 W-99-95-171-14-04071 Sequence 8459, Ap. 40. 2.5 4145 2 W-99-95-171-14-04071 Sequence 8459, Ap. 40. 2.5 419 2 W-99-95-171-14-2553 Sequence 8459, Ap. 40. 2.6 5 W-99-95-171-14-2553 Sequence 8459, Ap. 40. 2.7 5 W-99-95-171-14-2553 Sequence 8459, Ap. 40. 2.8 6 W-99-95-171-14-2553 Sequence 8459, Ap. 40. 2.9 6 W-99-95-171-14-2553 Sequence 8459, Ap. 40. 2.0 6 W-99-95-171-14-14-2553 Sequence 8459, Ap. 40. 2.0 6 W-99-95-171-14-2553 Sequence 8459, Ap. 40. 2.0 6 W-99-95-171-14-2553 Sequence | 4444 | ,4,4,4 | 1.4.4 | 4.4 | 4.4 | 4 4 | 4 4 8 | 4 4 | 4.4 | 4 4 | 4. 1 | 0 0 0 | 000 | 0.00 | 5 5 5 | 127 | 25.2 | 517 | 51.53 | 51 | 21 | 5 5 5 | 22 | 2 2 | 52 | 52 | 22.0 | 52 | 52 | 52 |) m (| 23.5 | 53 | 70 C | 4. 1 |
| 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.9 4412 2 00-09-107-320-4019 Sequence 6139, Ap 6114 2.0 4412 2 00-09-22-3014-7892 Sequence 6139, Ap 6114 2.0 4419 2 00-09-22-3014-7892 Sequence 6139, Ap 6114 2.0 4410 2 00-09-22-3014-7892 Sequence 6139, Ap 6114 2.0 4410 2 00-09-22-3014-7892 Sequence 6139, Ap 6114 2.0 4410 2 00-09-22-3014-7892 Sequence 6139, Ap 6114 2.0 4412 2 00-09-22-3014-7892 Sequence 6139, Ap 6114 2.0 4412 2 00-09-22-3014-7402 Sequence 6131, Ap 6114 2.0 4412 2 00-09-22-3014-7402 Sequence 6130, Ap 6114 2.0 4412 2 00-09-202-3014-7402 Sequence 6140, Ap 6144 2.0 4412 2 00-09-202-3014-7402 Sequence 6140, Ap 6114 2.0 4412 2 00-09-202-3014-7402 Sequence 61 | . . | , ww | o vo v | φφ | 99 | 9 9 | vω | . w w | | o vo vo | , w (| o vo v | , w | οwι | o vo v | . ب | o | · • • | 99 | 9 9 | . • • | ، م م | ο ω · | o o | 99 | ωv | ·w· | و و | ω ω | 94 | יסים | 9 9 | 99 | 94 | |
| 6 2.9 4413 2 103 9-530-1-1073 Sequence 0.01, Ap. 40.0 1 103 9-530-1-1073 Sequence 0.01, Ap. 40.0 1 103 9-530-1-1073 1 | | | | | | | | | | | | | | | | , | | | | | | | | | | | | | | | | | | | |
| 6 2.9 4113 0 100 9-533-1-1-071 Sequence 0101, Ap 19.0 9-533-1-1-071 Sequence 0101, Ap 19.0 9-533-1-071 Sequence 0101, Ap | 613 614 615 615 | 618 | 620 | 623 | 624 625 | 626 627 | 628 | 630 | 632 | 634 | 636 | 638 | 640 | 642 | 644 | 646 | 648 649 | 650 | 652 653 | 654 655 | 656 | 629 | 661 | 662 663 | 664 665 | 999 | 899 | 670 | 671 672 | 673 | 675 | 676 | 678 | 680 | 682 |
| 6 2.9 4413 2 US-09-107-513A-6159 Sequence 6 2.9 4418 2 US-09-107-513A-6159 Sequence 6 2.9 4419 2 US-09-107-513A-6159 Sequence 6 2.9 4429 2 US-09-563-101-2907 Sequence 6 2.9 421 2 US-09-563-101-2907 Sequence 6 2.9 421 2 US-09-563-101-2907 Sequence 6 2.9 422 2 US-09-663-101-2907 Sequence 6 2.9 422 2 US-09-663-101-2907 Sequence 6 2.9 422 2 US-09-563-101-2907 Sequence 6 2.9 422 2 US-09-563-101-201-201-201-201-201-201-201-201-201 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 2.9 4413 2 US-09-107-513A-6159 Sequence C 2.9 4418 2 US-09-107-513A-6159 Sequence C 2.9 4428 2 US-09-6152-913A-25291 Sequence C 2.9 4212 US-09-6152-913A-25291 Sequence C 2.9 4212 US-09-6152-913A-25291 Sequence C 2.9 422 2 US-09-6152-913A-25291 Sequence C 2.9 422 2 US-09-6152-913A-25291 Sequence C 2.9 422 2 US-09-525-913A-25291 Sequence C 2.9 422 2 US-09-525-913A-25201 Sequence C 2.9 423 2 US-09-525-913A-25201 Sequence C 2.9 420 2 US-09-525-913A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 2.9 4413 2 US-09-107-513A-6159 Sequence 6 2.9 4418 2 US-09-107-513A-6159 Sequence 6 2.9 4419 2 US-09-107-513A-6159 Sequence 6 2.9 4429 2 US-09-563-101-2907 Sequence 6 2.9 421 2 US-09-563-101-2907 Sequence 6 2.9 421 2 US-09-563-101-2907 Sequence 6 2.9 422 2 US-09-663-101-2907 Sequence 6 2.9 422 2 US-09-663-101-2907 Sequence 6 2.9 422 2 US-09-563-101-2907 Sequence 6 2.9 422 2 US-09-563-101-201-201-201-201-201-201-201-201-201 | | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 2.9 4413 2 US-09-107-513A-6159 Sequence 6 2.9 4418 2 US-09-107-513A-6159 Sequence 6 2.9 4419 2 US-09-107-513A-6159 Sequence 6 2.9 4429 2 US-09-563-101-2907 Sequence 6 2.9 421 2 US-09-563-101-2907 Sequence 6 2.9 421 2 US-09-563-101-2907 Sequence 6 2.9 422 2 US-09-663-101-2907 Sequence 6 2.9 422 2 US-09-663-101-2907 Sequence 6 2.9 422 2 US-09-563-101-2907 Sequence 6 2.9 422 2 US-09-563-101-201-201-201-201-201-201-201-201-201 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 2.9 4413 2 US-09-107-513A-6159 Sequence 6 2.9 4418 2 US-09-107-513A-6159 Sequence 6 2.9 4419 2 US-09-107-513A-6159 Sequence 6 2.9 4429 2 US-09-563-101-2907 Sequence 6 2.9 421 2 US-09-563-101-2907 Sequence 6 2.9 421 2 US-09-563-101-2907 Sequence 6 2.9 422 2 US-09-663-101-2907 Sequence 6 2.9 422 2 US-09-663-101-2907 Sequence 6 2.9 422 2 US-09-563-101-2907 Sequence 6 2.9 422 2 US-09-563-101-201-201-201-201-201-201-201-201-201 | AP AP | 2, Ap | APP | 31, AD | , Ap | , Ap | 3, A | 2, A | 9 O | Appl | ppli | ppli | 6, A | , i 4 | A A | 0, 4 | Appli Appli | App1 | Ap Ap | 4,9 4 4 | ppli | Appli Appl | ppli | l, A ppli | Appl | ppli | (A) | , AP | Ap 1, | App | 3, 4 | 8, A | A A. | Ap i luu | 5, A |
| 6 2.9 413 2 US-09-5631-110-4071 6 2.9 418 2 US-09-107-532A-6159 6 2.9 418 2 US-09-107-532A-6159 6 2.9 419 2 US-09-5632-991A-3552 6 2.9 419 2 US-09-5632-991A-3552 6 2.9 422 2 US-09-5631-110-2052 6 2.9 422 2 US-09-693-110-2052 6 2.9 423 2 US-09-693-110-2052 6 2.9 424 2 US-09-693-110-2052 6 2.9 447 2 US-09-693- | 407 407 615 9 3615 | 189 | 5731 | 636 | 7969 | 3776 | 2002 | | | | | | 2870 | | 1482 | 2318 2318 | , 4, 6, | 30, | 741 | 51 | 567 | ~ ~ S | | 73 | 5, 090 | 4,0 | 057 | 578 | 8597 2558 | | | 3206 | | | 2822 |
| 6 2.9 413 2 US-09-107-437-6159 6 2.9 418 2 US-09-107-437-6159 6 2.9 420 2 US-09-259-91A-18952 6 2.9 420 2 US-09-259-91A-18952 6 2.9 421 2 US-09-259-91A-2021 6 2.9 422 2 US-09-949-016-7969 6 2.9 425 2 US-09-949-016-7969 6 2.9 425 2 US-09-949-016-7969 6 2.9 425 2 US-09-949-016-7969 6 2.9 426 2 US-09-949-010-433-70 6 2.9 426 2 US-09-252-931A-2022 6 2.9 426 2 US-09-252-931A-2022 6 2.9 426 2 US-09-252-931A-2022 6 2.9 432 2 US-09-252-931A-2022 6 2.9 433 2 US-09-252-931A-2022 6 2.9 447 2 US-09-252-931A-2022 6 2.9 448 2 US-09-252-931A-2022 6 2.9 449 2 US-09-252-931A-2023 6 2.9 449 2 US-09-252-931A-2023 6 2.9 463 2 US-09-252-931A-2023 6 2.9 463 2 US-09-252-931A-2073 6 2. | | 900 | | 40 | | | | | | | | | | | | | | | 9 7 | 7 7 | 9.4 | 5 6 | 9 | 00 17 | ĕ 5 | | | , | | | D OD | | | | |
| 000000000000000000000000000000000000 | , , , , , | 9 9 9 | ence | ence | ence | ence | uence | uence | uence | uence Jence | nence | nence Jence | nence | nence | | | | | | | | | | | | | | | | nence | renc | sence sence | nence | ence | ence |
| 000000000000000000000000000000000000 | | 0 00 00 0 | | equence | equence | equence | , <u>2</u> , <u>2</u> , | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | | | | | | | | | | | | | | | | Sequence | Sequenc | Sequence | Sequence | Sequence | Sequence |
| 000000000000000000000000000000000000 | 3 02 02 02 02 | N W W | Sequence | Sequence | Sequence | Sequence | Sequ | Sequen | Sequen | Sequence | Sequence | Sequenc | Sequence | | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | | | | | | Sednenc |
| 000000000000000000000000000000000000 | 3 02 02 02 02 | N W W | Sequence | Sequence | Sequence | Sequence | Sequ | Sequen | Sequen | Sequence | Sequence | Sequenc | Sequence | | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | | | | | | Sednenc |
| 000000000000000000000000000000000000 | 3 02 02 02 02 | N W W | Sequence | Sequence | Sequence | Sequence | Sequ | Sequen | Sequen | Sequence | Sequence | Sequenc | Sequence | | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | | | | | | Sednenc |
| 000000000000000000000000000000000000 | 3 02 02 02 02 | N W W | Sequence | Sequence | Sequence | Sequence | Sequ | Sequen | Sequen | Sequence | Sequence | Sequenc | Sequence | | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | | | | | | Sednenc |
| ๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛ | 2 02 02 02 02 | N W W | Sequence | Sequence | Sequence | Sequence | Sequ | Sequen | Sequen | Sequence | Sequence | Sequenc | Sequence | | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Sequence | Sequence | | | | | | Sednenc |
| ๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛ | US-09-583-110-4071 Secure OS-09-107-512A-6159 Secure OS-09-107-413-3619 Secure OS-09-225-991A-25528 Secure OS-09-225-991A-25528 | US-09~583-110-2752 US-09-252-991A-18952 US-09-959-509A-4 | US-09-543-681A-5731 Sequence US-09-543-681A-5731 Sequence US-09-583-110-2907 Sequence | US-09-270-767-46381 Sequence US-09-489-039A-9628 Sequence | US-09-949-016-7969 Sequence US-09-252-991A-22321 Sequence | US-09-107-433-3776 Sequence US-09-500-495A-6 Sequence | US-09-252-991A-20025 Sequ US-09-902-540-10233 Sequ | US-09-252-991A-24452 Sequen US-10-104-047-3675 Sequen | US-09-489-039A-14276 Sequen US-09-252-991A-22020 Sequen | US-09-902-540-12060 Sequence US-09-351-150A-19 Sequence | US-09-380-287A-6 | US-08-487-037-2 IIS-08-487-037-3 IIS-08-487-037-3 | US-09-252-991A-28706 Sequence | US-09-10/-433-4124 US-09-252-991A-28081 | US-10-104-04/-2123 Sequence US-09-605-703B-1482 Sequence IS-09-984-880-2 Sequence | US-03-701-800-2 US-09-701-800-2 US-09-701-3180 Sequence | US-10-681-223-2 Sequence US-10-681-223-2 Sequence US-08-188-582-30 Sequence | US-08-646-715-30 Sequence US-09-134-001C-3935 Sequence | US-09-949-016-6741 Sequence US-09-252-991A-18410 Sequence | US-09-252-991A-20514 Sequence US-09-252-991A-21576 Sequence | US-09-949-016-9667 Sequence US-09-967-552A-4 Sequence | US-09-967-552A-6 Sequence US-09-967-552A-28 Sequence | US-08-336-408B-6 Sequence | US-09-252-991A-29731 Sequence US-08-216-592A-8 Sequence | US-10-329-668-16 Sequence US-09-949-016-6090 Sequence | PCT-US91-00399-6 Sequence US-09-252-991A-19821 Sequence | US-09-252-991A-20576 Sequence | US-09-252-991A-25780 Sequence | US-09-949-016-8597 Sequence US-09-252-991A-25581 Sequence | US-09-711-164-444 | US-09-492-709A-264 US-09-902-540-16683 | US-09-252-991A-32068 US-09-540-236-3617 | US-09-252-991A-19401 US-09-252-991A-26872 | US-09-489-039A-8344 US-09-289-180-1 | US-09-252-991A-28225 Sequence |
| ๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚ | 2 US-09-583-110-4071 Sec 2 US-09-107-532A-6159 Se 2 US-09-107-433-3619 Se 2 US-09-252-991A-25528 Se | 2 US-09-583-110-2752 2 US-09-252-991A-18952 2 US-09-959-509A-4 | 2 US-09-543-681A-5731 Sequence 2 US-09-583-110-2907 Semience | 2 US-09-270-767-46381 Sequence 2 US-09-489-039A-9628 Sequence | 2 US-09-949-016-7969 Sequence 2 US-09-252-991A-22321 Sequence | 2 US-09-107-433-3776 Sequence 2 US-09-500-495A-6 Sequence | 2 US-09-252-991A-20025 Sequ 2 US-09-902-540-10233 Sequ | 2 US-10-104-047-3675 Sequen 2 US-10-104-047-3675 Sequen | 2 US-09-489-039A-14276 Sequen 2 US-09-252-991A-22020 Sequen | 2 US-09-902-540-12060 Sequence 2 US-09-351-150A-19 Sequence | 2 US-09-380-287A-6 Sequence | 1 US-08-487-037-2 Sequence 1 US-08-487-037-3 Sequence 1 US-08-487-037-3 | 2 US-09-252-991A-28706 Sequence 2 IIS-09-107-413-4124 Sequence 2 | 2 US-09-107-455-4124 2 US-09-252-991A-28081 | 2 US-10-10-10-1-1482 Sequence 2 US-09-605-703B-1482 Sequence 2 US-09-984-880-2 | 2 US-03-304-200-2 2 US-09-252-991A-23180 Sequence 2 US-10-374-032-2 | 2 US-10-27/03-2 Sequence 1 US-08-188-582-30 Sequence | 1 US-08-646-715-30 Sequence 2 US-09-134-001C-3935 Sequence | 2 US-09-949-016-6741 Sequence 2 US-09-252-991A-18410 Sequence | 2 US-09-252-991A-20514 Sequence 2 US-09-252-991A-21576 Sequence | 2 US-09-949-016-9667 Sequence 2 US-09-967-552A-4 Sequence | 2 US-09-967-552A-6 Sequence 2 US-09-967-552A-28 Sequence 2 US-09-967-552A-28 Sequence | 1 US-08-336-408B-6 Sequence | 2 US-09-252-991A-29731 Sequence 2 US-08-216-592A-8 Sequence | 2 US-10-329-668-16 Sequence 2 US-09-949-016-6090 Sequence | 4 PCT-US91-00399-6 Sequence 2 US-09-252-991A-19821 Sequence | 2 US-09-252-991A-20576 Sequence | 2 US-09-252-991A-25780 Sequence | 2 US-09-949-016-8597 Sequence 2 US-09-252-991A-25581 Sequence | 2 US-09-711-164-444 | 2 US-09-492-709A-204 | 2 US-09-252-991A-32068 2 US-09-540-236-3617 | 2 US-09-252-991A-19401 2 US-09-252-991A-26872 | 2 US-09-489-039A-8344 2 US-09-289-180-1 | 2 US-09-252-991A-28225 Sequence |
| | 413 2 US-09-583-110-4071 Section 2 US-09-107-410-4071 Section 2 US-09-107-433-3619 Section 2 US-09-252-991A-25528 | 419 2 US-09-583-110-2752 Set 420 2 US-09-252-991A-18952 Set 420 2 US-09-959-509A-4 | 421 2 US-09-543-681A-5731 Sequence 421 2 US-09-583-6110-2907 Sequence | 423 2 US-09-270-767-46381 Sequence 424 2 US-09-489-039A-9628 Sequence | 424 2 US-09-949-016-7969 Sequence 425 2 US-09-252-991A-22321 Sequence | 425 2 US-09-107-433-3776 Sequence 425 2 US-09-500-495A-6 Sequence | 426 2 US-09-252-991A-20025 Seques 426 2 US-09-902-540-10233 Seques | 428 2 US-09-252-991A-24452 Sequen 428 2 US-10-104-047-3675 Sequen | 431 2 US-09-489-039A-14276 Sequen | 432 2 US-09-902-540-12060 Sequence 433 2 US-09-351-150A-19 Sequence | 433 2 US-09-380-287A-6 Sequence | 437 1 US-08-487-037-2 Sequenc 437 1 US-08-487-037-2 Sequenc | 445 2 US-09-252-991A-28706 Sequence | 447 2 US-03-10/-453-4124 447 2 US-09-10/-452-991A-28081 | 447 2 US-09-605-703B-1482 Sequence 447 2 US-09-605-703B-1482 Sequence | 449 2 US-09-252-991A-23180 Sequence 449 2 US-09-252-991A-23180 Sequence | 449 2 US-10-61/203-2 Sequence 450 1 US-08-188-582-30 Sequence | 450 1 US-08-646-715-30 Sequence 452 2 US-09-134-001C-3935 Sequence | 452 2 US-09-949-016-6741 Sequence 453 2 US-09-252-991A-18410 Sequence | 453 2 US-09-252-991A-20514 Sequence 456 2 US-09-252-991A-21576 Sequence | 461 2 US-09-967-552A-4 Sequence | 461 2 US-09-567-552A-6 Sequence 461 2 US-09-967-552A-28 Sequence 461 2 US-09-967-562A-28 Sequence 4 | 463 1 US-08-336-408B-6 Sequence | 463 2 US-09-252-991A-29731 Sequence 463 2 US-08-216-592A-8 Sequence | 463 2 US-10-329-668-16 Sequence 463 2 US-09-949-016-6090 Sequence | 463 4 PCT-US91-00399-6 Sequence 464 2 US-09-252-991A-19821 Sequence | 465 2 US-09-252-991A-20576 Sequence | 466 2 US-09-949-U16-7492 Sequence 467 2 US-09-252-991A-25780 Sequence | 468 2 US-09-949-016-8597 Sequence 469 2 US-09-252-991A-25581 Sequence | 471 2 US-09-711-164-444 | 471 2 US-09-192-105A-204 471 2 US-09-902-540-16683 | 472 2 US-09-252-991A-32068 473 2 US-09-540-236-3617 | 474 2 US-09-252-991A-19401 474 2 US-09-252-991A-26872 | 474 2 US-09-489-039A-8344 477 2 US-09-289-180-1 | 477 2 US-09-252-991A-28225 Sequence |
| | .9 413 2 US-09-583-110-4071 Sec9 416 2 US-09-107-532A-6159 Sec9 418 2 US-09-107-433-3619 Sec9 419 2 US-09-252-991A-25528 Sec. | .9 419 2 US-09-583-110-2752 Se .9 420 2 US-09-252-991A-18952 Se .9 420 2 US-09-959-509A-4 Se | .9 421 2 US-09-543-681A-5731 Sequence .9 421 2 US-09-543-110-2907 Sequence | .9 423 2 US-09-270-767-46381 Sequence .9 424 2 US-09-489-019A-9628 Sequence | .9 424 2 US-09-949-016-7969 Sequence .9 425 2 US-09-252-991A-22321 Sequence | .9 425 2 US-09-107-433-3776 Sequence .9 425 2 US-09-500-495A-6 Sequence | .9 426 2 US-09-252-991A-20025 Sequi. .9 426 2 US-09-902-540-10233 Sequi | .9 428 2 US-09-252-991A-24452 Sequen. .9 428 2 US-10-104-047-3675 Sequen | .9 431 2 US-09-489-039A-14276 Sequen | .9 432 2 US-09-902-540-12060 Sequence. 9 433 2 US-09-351-150A-19 Sequence. | 9 433 2 US-09-380-287A-6 Sequence | .9 437 1 US-08-487-037-2 Sequenc 9 437 1 US-08-487-037-2 Sequenc 9 437 1 US-08-487-037-3 | 9 445 2 US-09-252-991A-28706 Sequence | .9 447 2 US-09-252-991A-28081 | 19 147 2 US-09-005-703B-1482 Sequence 447 2 US-09-065-703B-1482 Sequence 444 447 2 US-09-084-880-2 | 29 449 2 US-09-252-991A-23180 Sequence 6 449 2 US-09-252-991A-23180 Sequence 6 449 2 US-10-271-032-2 | | 9 450 1 US-08-646-715-30 Sequence 9 452 2 US-09-134-001C-3935 Sequence | .9 452 2 US-09-949-016-6741 Sequence .9 453 2 US-09-252-991A-18410 Sequence | .9 453 2 US-09-252-991A-20514 Sequence .9 456 2 US-09-252-991A-21576 Sequence | 9 461 2 US-09-967-552A-4 Sequence | 9 461 2 US-09-967-552A-6 Sequence 9 461 2 US-09-967-552A-28 Sequence | 9 463 1 US-08-336-408B-6 Sequence | .9 463 2 US-09-252-991A-29731 Sequence .9 463 2 US-08-216-592A-8 Sequence | 9 463 2 US-10-329-668-16 Sequence 9 463 2 US-09-949-016-6090 Sequence | 9 463 4 PCT-US91-00399-6 Sequence 464 2 US-09-252-991A-19821 Sequence | 9 465 2 US-09-252-991A-20576 Sequence | 9 467 2 US-09-252-991A-25780 Sequence | 9 468 2 US-09-949-016-8597 Sequence 9 469 2 US-09-252-991A-25581 Sequence | 9 471 2 US-09-711-164-444* | 9 471 2 US-09-902-540-16683 | 9 472 2 US-09-252-991A-32068 9 473 2 US-09-540-236-3617 | 9 474 2 US-09-252-991A-19401 9 474 2 US-09-252-991A-26872 | 9 474 2 US-09-489-039A-8344 9 477 2 IIS-09-289-180-1 | 9 477 2 US-09-252-91A-28225 Sequence |
| \darkarararararararararararararararararar | 2.9 413 2 US-09-583-110-4071 Sec 2.9 416 2 US-09-107-532A-6159 Se 2.9 418 2 US-09-107-433-3619 Se 2.9 419 2 US-09-252-991A-25528 Sec | 2.9 419 2 US-09-583-110-2752 Se 2.9 420 2 US-09-252-291A-18952 Se 2.9 420 2 US-09-956-509A-4 | 2.9 421 2 US-09-543-681A-5731 Sequence 2.9 421 2 US-09-583-110-2907 Semi-ence | 2.9 423 2 US-09-270-767-46381 Sequence 2.9 424 2 US-09-489-039A-9628 Sequence | 2.9 424 2 US-09-949-016-7969 Sequence 2.9 425 2 US-09-252-991A-22321 Sequence | 2.9 425 2 US-09-107-433-3776 Sequence 2.9 425 2 US-09-500-495A-6 Sequence | 2.9 426 2 US-09-252-991A-20025 Segu 2.9 426 2 US-09-902-540-10233 Segu | 2.9 428 2 US-09-252-991A-24452 Sequen 2.9 428 2 US-10-104-047-3675 Sequen | 2.9 431 2 US-09-489-039A-14276 Sequen 2.9 432 2 US-09-252-991A-22020 Sequen | 2.9 432 2 US-09-902-540-12060 Sequenc 2.9 433 2 US-09-351-150A-19 Sequenc | 2.9 433 2 US-09-380-287A-6 Sequence | 2.9 437 1 US-08-487-037-2 Sequence 2.9 437 1 US-08-487-037-2 Sequence 2.9 437 1 US-08-487-037-3 | 2.9 445 2 US-09-252-991A-28706 Sequence 2 445 2 US-09-107-433-4134 Sequence | 2.9 447 2 US-09-252-991A-28081 | 2.9 447 2 US-09-605-703B-1482 Sequence 2 447 2 US-09-605-703B-1482 Sequence 2 4 449 2 INS-09-4084-880-2 | 2.9 449 2 US-09-364-600-2 2.9 449 2 US-09-362-991A-23180 Sequence | 2.9 450 1 US-08-188-582-30 Sequence | 2,9 450 1 US-08-646-715-30 Sequence 2,9 452 2 US-09-134-001C-3935 Sequence | 2.9 452 2 US-09-949-016-6741 Sequence 2.9 453 2 US-09-252-991A-18410 Sequence | 2.9 453 2 US-09-252-991A-20514 Sequence 2.9 456 2 US-09-252-991A-21576 Sequence | 2.9 461 2 US-09-949-016-9667 Sequence 2.9 461 2 US-09-967-552A-4 Sequence | 2.9 461 2 US-09-967-552A-6 Sequence | 2.9 463 1 US-08-336-408B-6 Sequence | 2.9 463 2 US-09-252-991A-29731 Sequence 2.9 463 2 US-08-216-592A-8 Sequence | 2.9 463 2 US-10-329-668-16 Sequence 2.9 463 2 US-09-949-016-6090 Sequence | 2.9 463 4 PCT-US91-00399-6 Sequence 2.9 464 2 US-09-252-991A-19821 Semispice | 2.9 465 2 US-09-252-991A-20576 Sequence | 2.9 467 2 US-09-252-991A-25780 Sequence | 2.9 468 2 US-09-949-016-8597 Sequence 2.9 469 2 US-09-252-991A-25581 Sequence | 2.9 471 2 US-09-711-164-444 | 2.9 471 2 US-09-902-540-16683 | 2.9 472 2 US-09-252-991A-32068 2.9 473 2 US-09-540-236-3617 | 2.9 474 2 US-09-252-991A-19401 2.9 474 2 US-09-252-991A-26872 | 2.9 474 2 US-09-489-039A-8344 2.9 477 2 US-09-289-180-1 | 2.9 477 2 US-09-252-91A-28225 Sequence |
| | 6 2.9 413 2 US-09-583-110-4071 See 2.9 416 2 US-09-107-433-36159 Se 6 2.9 418 2 US-09-107-433-3619 Se 6 2.9 419 2 US-09-252-991A-25528 Se | 6 2.9 419 2 US-09-583-110-2752 Second 2.9 420 2 US-09-252-291A-18952 Second 2.9 420 2 US-09-954-509A-4 Secon | 6 2.9 421 2 US-09-543-681A-5731 Sequence 6 2.9 421 2 US-09-543-681A-5731 Sequence | 6 2.9 423 2 US-09-270-767-46381 Sequence 6 2.9 424 2 US-09-489-039A-9628 Sequence | 6 2.9 424 2 US-09-949-016-7969 Sequence 6 2.9 425 2 US-09-252-991A-22321 Sequence | 6 2.9 425 2 US-09-107-433-3776 Sequence 6 2.9 425 2 US-09-500-495A-6 Sequence | 6 2.9 426 2 US-09-252-991A-20025 Segu 6 2.9 426 2 US-09-902-540-10233 Segu | 6 2.9 428 2 US-09-252-991A-24452 Sequen 6 2.9 428 2 US-10-104-047-3675 Sequen | 6 2.9 431 2 US-09-489-039A-14276 Sequen 6 2.9 432 2 US-09-252-991A-22020 Sequen | 6 2.9 432 2 US-09-902-540-12060 Sequence 6 2.9 433 2 US-09-351-150A-19 Sequence | 6 2.9 433 2 US-09-380-287A-6 Sequence | 5 2.9 437 1 115-08-487-037-3 Sequent | 6 2.9 445 2 US-09-252-991A-28706 Sequence 6 2 4 445 2 US-09-107-433-4124 Sequence 6 2 4 445 2 US-09-107-433-4124 | 6 2.9 447 2 03-03-107-1435-14164 6 2.9 447 2 115-109-252-991A-28081 | 6 2.9 447 2 US-104-1041-1482 Sequence 6 2.9 444 2 US-104-944-9805 Sequence 6 2.9 444 2 US-104-944-9801. | 6 2.9 449 2 US-103-291A-23180 Sequence 6 2.9 4449 2 US-10-271-0322 | 6 2.9 450 1 US-08-188-582-30 Sequence 6 2.9 450 1 US-08-188-582-30 | 6 2.9 450 1 US-08-646-715-30 Sequence 6 2.9 452 2 US-09-134-001C-3935 Sequence | 6 2.9 452 2 US-09-949-016-6741 Sequence 6 2.9 453 2 US-09-252-991A-18410 Sequence | 6 2.9 453 2 US-09-252-991A-20514 Sequence 6 2.9 456 2 US-09-252-991A-21576 Sequence | 6 2.9 461 2 US-09-967-516-9667 Sequence 6 2.9 461 2 US-09-967-552A-4 Sequence | 6 2.9 461 2 US-U9-967-552A-6 Sequence 6 2.9 461 2 US-09-967-552A-28 Sequence 6 2.9 461 1 US-09-967-552A-28 Sequence | 6 2.9 463 1 US-08-336-408B-6 Sequence | 6 2.9 463 2 US-09-252-991A-29731 Sequence 6 2.9 463 2 US-08-216-592A-8 Sequence | 6 2.9 463 2 US-10-329-668-16 Sequence 6 2.9 463 2 US-09-949-016-6090 Sequence | 6 2.9 463 4 PCT-US91-00399-6 Sequence 6 2.9 464 2 US-09-252-991A-19821 Semience | 6 2.9 465 2 US-09-252-991A-20576 Sequence | 6 2.9 467 2 US-09-252-991A-25780 Sequence | 6 2.9 468 2 US-09-949-016-8597 Sequence 6 2.9 469 2 US-09-252-991A-25581 Sequence | 6 2.9 471 2 US-09-711-164-444 ⁴ | 6 2.9 471 2 US-09-492-7034-204 | 6 2.9 472 2 US-09-252-991A-32068 6 2.9 473 2 US-09-540-236-3617 | 6 2,9 474 2 US-09-252-991A-19401 6 2,9 474 2 US-09-252-991A-26872 | 6 2.9 474 2 US-09-489-039A-8344 6 2.9 477 2 US-09-289-180-1 | 6 2.9 477 2 US-09-252-991A-28225 Sequence |

| | | | duence duence duence duence duence duence duence duence duence duence duence duence duence |
|--|--|--|---|
| | 2 US-09-461-657B-4 2 US-09-302-540-11256 2 US-09-328-352-8176 2 US-09-724-653-12 2 US-09-724-653-12 2 US-09-724-653-12 2 US-09-724-653-12 2 US-09-252-991A-29401 1 US-07-731-157A-2 1 US-09-252-991A-19581 1 US-09-248-796A-15107 2 US-09-248-796A-15107 2 US-09-248-796A-15107 2 US-09-249-016-6903 2 US-09-249-016-16253 2 US-09-902-540-16253 2 US-09-641-741-2 2 US-09-641-741-2 2 US-09-641-741-2 2 US-09-641-741-2 2 US-09-665A-17 2 US-09-802-540-11816 2 US-09-802-540-11816 2 US-09-802-540-11816 2 US-09-802-540-11816 2 US-09-802-540-11816 2 US-09-802-540-11816 | US-09-949-016-71 US-09-104-987-5 US-09-107-1987-1 US-09-107-1982-1 US-09-832-122-35 US-09-538-032-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 US-09-252-991A-1 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 |
| | 777000 777000 777000 777000 777000 777000 777000 777000 77700000 | | |
| | | | , |
| | ********************* | ักดักดักดักดักดักดักดักดัก | |
| <u>୬</u> ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ |
| 758 759 760 761 763 765 765 770 771 772 773 | 6 C C C C C C C C C C C C C C C C C C C | 7 7 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 815 8116 8116 818 821 822 823 824 828 828 828 828 |
| | | | |
| | | • | ٠. |
| Sequence 3, Appli Sequence 22589, A Sequence 22589, A Sequence 18216, A Sequence 16728, A Sequence 24443, A Sequence 46116, A Sequence 1, Appli Sequence 1, Appli Sequence 13, Appl Sequence 13, Appl Sequence 13, Appl Sequence 2999, A Sequence 2999, A Sequence 2999, A Sequence 2999, A Sequence 2999, A Sequence 10786, A Sequence 10786, A | Sequence Seq | Sequence 2, Appliance 20299, A Sequence 20299, A Sequence 10556, A Sequence 19955, A Sequence 19955, A Sequence 18, Appl Sequence 10772, A Sequence 99, Appl Sequence 91, Appl Sequence 61, Appl Sequence 61, Appl Sequence 93, Appl Sequence 93, Appl Sequence 61, Appl Sequence 93, Appl Sequence 93, Appl | edneuce edneuce edneuce edneuce edneuce edneuce edneuce edneuce edneuce edneuce edneuce edneuce edneuce edneuce edneuce |
| -683-957B-3 Sequence -106-761-4 Sequence -252-991A-22589 Sequence -252-991A-1816 Sequence -252-991A-1443 Sequence -252-991A-24443 Sequence -252-991A-24443 Sequence -252-991A-24443 Sequence -252-991A-252-991A-32124 Sequence -252-991A-32124 Sequence -252-991A-32124 Sequence -252-991A-30032 Sequence -252-991A-30032 Sequence -252-991A-30032 Sequence -252-991A-30032 Sequence -252-991A-30032 Sequence -252-991A-30032 Sequence -253-991A-30032 Sequenc | 438-185A-23 Sequence 668-648-2 Sequence 429-998-2 531-02231-2 Sequence 602-787A-24 Sequence 602-787A-24 Sequence 252-991A-13340 Sequence 252-991A-17966 Sequence 138-775-5 Sequence 138-775-5 Sequence 138-775-5 Sequence 104-647-23 Sequence 252-991A-1752 Sequence 252-991A-1752 Sequence 252-991A-1752 Sequence 252-991A-1752 Sequence 252-991A-17752 Sequence 270-777-48154 Sequence 270-777-48154 Sequence | 1.18 - 0.75 - 2.00 - 2. | 9-232-195-49 Sequence 9-232-195-61 Sequence 9-232-195-61 Sequence 9-252-991A-19125 Sequence 9-132-990A-4 Sequence 9-132-990A-4 Sequence 9-232-200-67 Sequence 9-232-197-67 Sequence 9-232-197-67 Sequence 9-232-197-67 Sequence 9-232-197-67 Sequence 9-232-197-67 Sequence 9-232-195-67 Sequence 9-347-801-17 Sequence |
| 1 US-07-683-957B-3 Sequence 2 US-09-252-991A-22589 Sequence 2 US-09-252-991A-18216 Sequence 2 US-09-252-991A-16728 Sequence 2 US-09-252-991A-16728 Sequence 2 US-09-252-991A-24443 Sequence 2 US-09-252-991A-2528 Sequence 2 US-09-252-991A-25528 Sequence 2 US-09-252-991A-25528 Sequence 2 US-09-252-991A-32124 Sequence 2 US-09-252-991A-32124 Sequence 2 US-09-252-991A-3032 Sequence 2 US-09-538-092-522 Sequence 2 US-09-538-092-522 Sequence 2 US-09-538-092-522 Sequence 3 US-09-538-092-522 Sequence 5 US-09-538-092-522 Sequence 5 US-09-538-092-522 Sequence | 2 US-09-438-185A-23 Sequence 1 US-06-648-2 Sequence 1 US-08-431-333-2 Sequence 1 US-08-431-333-2 Sequence 4 CTT-US31-02231-2 Sequence 2 US-09-252-991A-234 Sequence 2 US-09-252-991A-1340 Sequence 2 US-09-252-991A-17966 Sequence 2 US-09-252-991A-17966 Sequence 2 US-09-38-743-2 Sequence 2 US-09-38-743-2 Sequence 2 US-09-252-991A-1752 Sequence 2 US-09-252-991A-17752 Sequence 2 US-09-252-991A-17753 Sequence 2 US-09-252-991A-17753 Sequence 2 US-09-252-991A-17753 Sequence 2 US-09-270-767-48154 Sequence 2 US-09-270-767-48154 Sequence | 2 US-10-138-075-2 Sequence 2 US-09-252-991A-12029 2 US-09-252-991A-12029 2 US-09-252-991A-17844 2 US-09-252-991A-17844 2 US-09-252-991A-19955 2 US-09-286-145-18 2 US-09-286-143-18 2 US-09-386-143-18 2 US-09-386-143-18 2 US-09-322-200-49 2 US-09-232-200-49 2 US-09-232-200-93 2 US-09-232-201-49 2 US-09-232-201-49 2 US-09-232-201-49 2 US-09-232-201-49 2 US-09-232-201-61 2 US-09-232-201-93 2 US-09-232-201-61 2 US | 2 US-09-232-195-49 Sequence 2 US-09-232-195-61 Sequence 2 US-09-232-195-61 Sequence 2 US-09-232-195-61 Sequence 2 US-09-232-91A-19125 Sequence 2 US-09-252-991A-19125 Sequence 1 US-08-112-990A-4 Sequence 1 US-08-132-991A-4 Sequence 2 US-09-232-200-67 Sequence 2 US-09-232-200-67 Sequence 2 US-09-232-197-67 Sequence 2 US-09-232-197-67 Sequence 2 US-09-232-197-67 Sequence 3 US-09-232-195-67 Sequence 4 PCT-US92-09382-8 Sequence 4 PCT-US92-09382-8 Sequence 5 US-09-347-801-17 Sequence 6 US-09-347-801-17 Sequence |
| 53 1 US-07-683-957B-3 Sequence 553 2 US-08-106-761-4 Sequence 553 2 US-09-252-991A-22589 Sequence 553 2 US-09-252-991A-18216 Sequence 553 2 US-09-252-991A-16728 Sequence 553 2 US-09-252-991A-2443 Sequence 563 2 US-09-275-991A-25628 Sequence 569 2 US-09-252-991A-25628 Sequence 569 2 US-09-252-991A-32124 Sequence 778 2 US-09-252-991A-32124 Sequence 180 2 US-09-252-991A-32124 Sequence 180 2 US-09-252-991A-3032 Sequence 181 2 US-09-252-991A-3032 Sequence 182 2 US-09-272-991A-3032 Sequence 183 2 US-09-272-991A-3032 Sequence 184 2 US-09-273-419 Sequence 186 2 US-09-538-092-521 | US-09-438-185A-23 Sequence US-068-648-2 Sequence US-08-431-333-2 Sequence US-08-431-333-2 Sequence US-08-431-333-2 Sequence US-09-252-991A-2340 Sequence US-09-252-991A-17966 Sequence US-09-252-991A-17966 Sequence US-09-252-991A-17966 Sequence US-09-38-773-2 Sequence US-09-252-991A-1752 Sequence US-09-270-767-48154 Sequence US-09-270-767-48154 Sequence | 10 2 US-10-222-991A-2029 10 2 US-09-252-991A-2029 11 2 US-09-252-991A-17844 12 US-09-252-991A-17844 13 2 US-09-202-540-10556 13 2 US-09-202-540-10556 14 2 US-09-381-18 14 2 US-09-381-18 14 2 US-09-381-18 14 2 US-09-381-18 15 Sequence 14 2 US-09-322-200-49 16 2 US-09-232-200-49 17 US-09-232-200-49 18 US-09-232-200-49 18 US-09-232-197-49 18 US-09-232-197-49 18 US-09-232-197-49 18 US-09-232-201-49 18 US-09-232-201-49 18 US-09-232-201-61 | 20 2 US-09-232-195-49 Sequence 20 2 US-09-232-195-61 Sequence 20 2 US-09-232-195-61 Sequence 20 2 US-09-232-195-33 Sequence 21 2 US-09-252-991A-19125 Sequence 22 1 US-08-132-991A-19125 Sequence 22 1 US-08-132-991A-19784 Sequence 23 2 US-09-232-200-67 Sequence 24 US-09-232-200-67 Sequence 25 US-09-232-200-67 Sequence 26 US-09-232-200-67 Sequence 27 US-09-232-200-67 Sequence 28 US-09-232-200-67 Sequence 29 US-09-334-801-17 Sequence 20 US-09-347-801-17 Sequence 20 US-09-347-801-17 Sequence |
| 553 1. US-07-683-9578-3 553 1. US-08-106-761-4 553 2 US-09-252-991A-12589 557 2 US-09-252-991A-18216 563 2 US-09-252-991A-16728 563 2 US-09-252-991A-16728 563 2 US-09-252-991A-2443 564 1 US-08-252-991A-2443 568 1 US-08-528-199-1 569 2 US-09-252-991A-25628 569 2 US-09-252-991A-25628 577 2 US-09-252-991A-25628 580 2 US-09-382-13 580 2 US-09-252-991A-32124 580 2 US-09-252-991A-32124 581 2 US-09-252-991A-3032 | 88 2 US-09-438-185A-23 Sequence 1 US-068-648-2 Sequence 89 1 US-068-648-2 Sequence 89 1 US-08-429-998-2 Sequence 89 1 US-08-431-333-2 Sequence 89 4 PCT-US91-0321-2 Sequence 89 4 PCT-US91-0321-2 Sequence 91 2 US-09-252-991A-1340 Sequence 93 2 US-09-252-991A-1340 Sequence 94 2 US-09-252-991A-17966 Sequence 95 2 US-09-252-991A-17966 Sequence 00 2 US-09-388-743-2 Sequence 00 2 US-09-443-22 Sequence 01 2 US-09-252-991A-1752 Sequence 01 2 US-09-270-761-4 Seque | 9 609 2 US-10-1318-075-2 9 610 2 US-10-1318-075-2 9 612 2 US-09-252-991A-12059 Sequence 9 613 2 US-09-252-991A-1955 Sequence 9 613 2 US-09-362-540-10556 Sequence 9 614 2 US-10-44-541-18 Sequence 9 614 2 US-10-44-541-18 Sequence 9 620 2 US-09-232-200-49 Sequence 9 620 2 US-09-232-200-49 Sequence 9 620 2 US-09-232-200-93 Sequence 9 620 2 US-09-232-197-49 Sequence 9 620 2 US-09-232-197-61 Sequence 9 620 2 US-09-232-197-61 Sequence 9 620 2 US-09-232-197-61 Sequence 9 620 2 US-09-232-201-49 Sequence 9 620 2 US-09-232-201-49 Sequence 9 620 2 US-09-232-201-49 Sequence | 9 620 2 US-09-232-195-49 Sequence 9 620 2 US-09-232-195-61 Sequence 9 620 2 US-09-321-195-61 Sequence 9 621 2 US-09-418-963-4 Sequence 9 621 2 US-09-252-991A-19125 Sequence 9 621 2 US-09-252-991A-19784 Sequence 9 622 1 US-09-252-991A-37784 Sequence 9 622 4 PCT-US92-09382-4 Sequence 9 623 2 US-09-232-200-67 Sequence 9 623 2 US-09-232-201-67 Sequence 9 623 1 US-09-232-201-67 Sequence 9 629 1 US-08-132-990A-8 Sequence 9 629 4 PCT-US92-09382-8 Sequence 9 629 4 PCT-US92-09382-8 Sequence 9 639 2 US-09-232-195-67 Sequence 9 629 1 US-08-132-990A-8 Sequence 9 639 2 US-09-331-195-67 Sequence 9 639 2 US-09-347-801-17 Sequence |
| 2.9 553 1 US-07-683-957B-3 Sequence 2.9 553 2 US-09-252-991A-12589 Sequence 2.9 553 2 US-09-252-991A-18216 Sequence 2.9 557 2 US-09-252-991A-18216 Sequence 2.9 557 2 US-09-252-991A-18216 Sequence 2.9 567 2 US-09-252-991A-16728 Sequence 2.9 567 2 US-09-252-991A-16728 Sequence 2.9 567 2 US-09-252-991A-1673 Sequence 2.9 572 6 5256770-7 Sequence 2.9 578 2 US-09-908-322-13 Sequence 2.9 578 2 US-09-908-322-13 Sequence 2.9 578 2 US-09-252-991A-39219 Sequence 2.9 578 2 US-09-252-991A-30032 Sequence 2.9 580 2 US-09-252-991A-30032 Sequence 2.9 582 2 US-09-252-991A-30032 Sequence 2.9 582 2 US-09-252-991A-30032 Sequence 2.9 582 2 US-09-252-991A-3919 Sequence 2.9 582 2 US-09-252-991A-3919 Sequence 2.9 582 2 US-09-252-991A-3124 Sequence 2.9 582 2 US-09-252-991A-3919 Sequence 2.9 582 2 US-09-252-991A-30032 Sequence 2.9 | 9 588 2 US-09-438-185A-23 Sequence 9 589 1 US-08-648-2 Sequence 9 589 1 US-08-429-998-2 Sequence 9 589 1 US-08-429-998-2 Sequence 9 589 4 PCT-US91-02321-2 Sequence 9 591 2 US-09-602-787A-24 Sequence 9 594 2 US-09-522-991A-18099 Sequence 9 594 2 US-10-138-075-5 Sequence 9 600 2 US-10-138-075-5 Sequence 9 600 2 US-10-044-543-22 Sequence 9 600 2 US-10-044-543-22 Sequence 9 601 2 US-09-252-991A-1752 Sequence 9 601 2 US-09-252-991A-1775 Sequence 9 603 2 US-09-252-991A-1775 Sequence 9 603 2 US-09-252-991A-1775 | 2.9 609 2 US-10-138-075-2 US-10-10-10-10-10-10-10-10-10-10-10-10-10- | 2.9 620 2 US-09-232-195-49 Sequence 2.9 620 2 US-09-232-195-61 Sequence 2.9 620 2 US-09-232-195-61 Sequence 2.9 620 2 US-09-232-195-61 Sequence 2.9 620 2 US-09-232-195-49 Sequence 2.9 621 2 US-09-252-991A-19125 Sequence 2.9 622 1 US-08-132-991A-37784 Sequence 2.9 622 1 US-08-132-991A-37784 Sequence 2.9 623 2 US-09-232-200-67 Sequence 2.9 623 2 US-09-232-200-67 Sequence 2.9 623 2 US-09-232-201-67 Sequence 2.9 623 2 US-09-232-201-67 Sequence 2.9 629 4 PCT-US92-09382-8 Sequence 2.9 629 4 PCT-US92-09382-8 Sequence 2.9 636 2 US-132-990A-8 Sequence 2.9 636 2 US-13-38-075-4 Sequence 2.9 639 2 US-09-347-801-17 |

| AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | Appl Appl Appl Appl Appl Appl Appl | A26045 Appl Appl Appl Appl Appl Appl | Appli Appli Appli Appli Appli | Appli Appli Appli 281530 426045 627, A Appli Appli | 8, Appli 4, Appli 4, Appli 17657, A 17657, A 1, Appli 48, Appl 11083, A 12, Appli 2, Appli 2, Appli 6069 Appli | Appl 77, Appl 77, Ap 872, Ap 8961, A 8961, A Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli |
|--|--|--|--|--|--|---|
| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | C C C C C C C C C C C C C C C C C C C | 000000000000000000000000000000000000000 | CC | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| Sequence Seq | equen equen equen equen equen tent | tent) equen equen equen equen equen equen | equence equence equence equence equence equence equence | equence equence tent l tent l tent l equence equence equence | ednendedendedendedendendedendendendenden | Sequence Seq |
| , w w w w w w w w | សលលលល់ជ | ម្មិលសសសលល | | ა ი ა ფ ნ ი ა ა ა ა ა ა | | |
| | | | | 627 | 657 | 7 7 2 2 3 3 3 3 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 |
| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1.4-4 8-4 1-4 7-4 3-4 24-4 | 0C-62 9B-48 8-48 5-62 8-48 0-48 | 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - | | | |
| 116-140-6 15-13233-6 168-140-3 176-280-4 175-772-4 163-170-4 158-232-4 104-626-4 | 116-30 111-92 173-89 176-13 138-36 | 0000011 | 8778868 | 776-13 38-36 22-036 1-1 52-99 57-25 57-25 49-01 | 901-25 901-25 901-25 901-95 901-95 901-28 901-28 901-28 | 0-152-886-737 0-152-886-23 9-949-016-108 9-467-997-1 9-902-540-122 9-413-814-11 9-902-540-973 9-150-867-1 9-918-867-1 9-918-867-1 9-948-016-787 8-652-877-84 8-652-877-84 |
| 001001001001001001001001001001001001001 | 3-08-6 3-09-6 5-09-6 3-09-7 7-08-7 | 24 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - | 000000000000000000000000000000000000000 | -09-0 | 0 | US-10-152-R US-09-949-C US-09-902-US-09-902-US-09-252-US-09-252-US-09-252-US-09-902-US-09-902-US-09-911-R-08-91 |
| 104044444 2222222 | 444444 2222277 | | | 224444444 | | |
| 11588 11588 11588 11588 11588 11588 11588 11588 | 1289 1289 1289 1289 1289 1289 | 1289 1299 1299 1299 1299 | 1385 1385 1385 1385 1385 1385 | 1385 1385 1385 1385 1413 1440 1441 | 1452 1452 1452 1452 1467 11512 1512 1698 1865 1865 | 1892 1956 1960 1960 1960 2226 2226 2295 2295 2295 4655 4655 4655 |
| , , , , , , , , , , , , , | ٯؘڡؘڡؘڡ <i>ٙڡ</i> ڡ | ڡؘڡؘڡ۬ڡ <i>ؘ</i> ڡؘڡ۬ڡ | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| | | | | | | , , , , , , , , , , , , , , , , , , , |
| | | | | | | |
| 9008 0008 000 000 000 000 000 000 000 00 | 913 914 915 916 918 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | | | • |
| | | • | | | | |
| Kannakann | A DA A HICE | | <i></i> | | | |
| 0.0.0. | | 0.7 | | ∃≮∃₽∃∃₽₽₽₽ | ਰ ≮ 9 ਰਰਰਰ 8ਰਰਰਜ | निन्नुन्नुन्न्⊀न् <u>वू</u> न्नुन्नुन् |
| 3202 APP APP APP APP APP APP APP APP APP APP | 269, 1867, 1867, 5655, App App | Appl Appl Appl 7781, 7781, 7781, 7781, 7583, 7583, | Appli Appli Appli Appli Appli Appli Appli Appli | Appli Appli Appli 707, Ap Appli Appli Appli 6, App 17, App | Appl 45, Ap 46, Ap 70, Appl Appl Appl Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli | Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli |
| 100 23202 100 9, Ap 100 3, Ap 100 32974 100 33037 100 4, Ap | nce 30039, nce 6669, nce 11867, nce 16655, nce 9, App nce 19, Ap | | | @ H & OI (= (= () () () () | 17 (1 01 17) 4 4 4 A A A A A A A A A A A A A A A A | |
| Sequence 23202 Sequence 9, Ap Sequence 9, Ap Sequence 32974 Sequence 33974 Sequence 4, Ap | Sequence 30039, Sequence 6669, Sequence 11867, Sequence 9, App Sequence 19, App Sequence 19, App | | | @ H & OI (= (= () () () () | 17 (1 01 17) 4 4 4 A A A A A A A A A A A A A A A A | |
| Sequence 23202 Sequence 9, Ap Sequence 3, Ap Sequence 3, Ap Sequence 32974 Sequence 33037 Sequence 4, Ap | Sequence 30039, Sequence 6667, Sequence 16655, Sequence 19, App Sequence 19, App Sequence 19, App | | | @ H & OI (= (= () () () () | (1) (1 (1) (1) (1 (1 (4 (H W W W W W)) | |
| ecunentes sounentes sounentes ecunentes sounentes ecunentes ecunentes ecunentes ecunentes | Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Sednence Sednence Sednence Sednence Sednence Sednence Sednence | Sequence Seq | Sednence Sed | Sequence of Sequen |
| ecunentes sounentes sounentes ecunentes sounentes ecunentes ecunentes ecunentes ecunentes | Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Sednence Sednence Sednence Sednence Sednence Sednence Sednence | Sequence Seq | Sednence Sed | Sequence of Sequen |
| ecunentes sounentes sounentes ecunentes sounentes ecunentes ecunentes ecunentes ecunentes | Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Sednence Sednence Sednence Sednence Sednence Sednence Sednence | Sequence Seq | Sednence Sed | Sequence of Sequen |
| Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence | Sequence Sequence Sequence Sequence Sequence Sequence Sequence | Sednence Sednence Sednence Sednence Sednence Sednence Sednence | Sequence Seq | Sednence Sed | Sequence of Sequen |
| US-09-252-991A-23202 Sequence US-08-574-595A-9 Sequence US-08-574-595A-9 Sequence US-09-357-014-9 Sequence US-09-252-991A-32974 Sequence US-08-252-991A-33037 Sequence US-08-343-565-4 Sequence US-08-343-56A-2 Sequence | US-09-252-991A-30039 Sequence US-09-949-016-6669 Sequence US-09-252-991A-11867 Sequence US-08-673-789-9 Sequence US-08-449-645A-19 Sequence US-08-449-645A-19 Sequence | PCT-US95-04681-19 Sequence US-08-127-499A-1 Sequence US-08-127-499A-1 Sequence US-09-252-991A-17781 Sequence US-09-252-991A-1783 Sequence US-09-252-991A-1783 Sequence US-09-252-991A-18914 Sequence US-09-252-991A-18914 Sequence | US-09-252-991A-26216 Sequence US-08-320-484A-5 Sequence US-08-393-823A-5 Sequence US-09-398-239-5 Sequence US-09-60-876A-5 Sequence US-09-093-453B-3 Sequence US-08-127-499A-8 Sequence US-08-127-499A-8 Sequence | US-08-482-847-8 Sequence US-09-248-796A-14361 Sequence US-09-560-876A-6 Sequence US-09-949-016-9707 Sequence US-09-357-014-7 Sequence US-09-999-833A-437 Sequence US-09-999-833A-437 Sequence US-08-131-365B-38 Sequence US-08-131-365B-38 Sequence | US-00-668-123-38 US-09-52-991A-25557 US-09-949-016-9845 US-09-949-016-9845 US-01-029-180-34 US-08-1158-223-43 US-08-113-228-43 US-09-173-891-43 US-09-173-891-43 US-09-173-891-43 US-09-173-891-8 US-08-119-28-8 US-08-119-28-8 US-08-119-28-8 US-08-111-928-8 US-08-113-891-8 US-08-113-801-8 US-08-113-801-8 US-08-113-801-8 US-08-113-801-8 | US-08-159-232-6 US-08-304-626-6 US-08-316-301A-6 US-08-611-928-6 US-09-173-891-6 US-09-076-137-6 US-09-076-137-6 US-09-902-540-14299 US-09-902-540-14299 US-09-364-458-59 US-09-364-428-59 US-09-364-428-59 US-09-364-428-59 US-09-364-406-6 US-09-364-406-6 US-08-540-406-6 US-08-540-406-6 US-08-540-406-6 US-08-954-668-6 US-08-954-668-6 US-08-958-68-6 US-08-958-68-6 US-08-958-68-6 |
| 2 US-09-252-991A-23202 Sequence 1 US-08-574-959A-9 Sequence 2 US-09-357-014-9 Sequence 2 US-09-357-01A-3 Sequence 2 US-09-252-991A-33037 Sequence 2 US-09-252-991A-33037 Sequence 1 US-08-338-365-4 Sequence 1 US-08-343-760A-2 Sequence | 2 US-09-252-991A-30039 Sequence 2 US-09-949-016-6669 Sequence 2 US-09-489-039A-11867 Sequence 2 US-09-252-991A-16655 Sequence 1 US-08-673-789-9 Sequence 1 US-08-449-645A-19 Sequence | 4 PCT-US95-04681-19 Sequence 1 US-08-127-499A-1 Sequence 1 US-08-482-847-1 Sequence 2 US-09-252-991A-17781 Sequence 2 US-10-781-294-16 Sequence 2 US-09-252-991A-24492 Sequence 2 US-09-252-991A-17583 Sequence 2 US-09-252-991A-18914 Sequence | 027 2 US-09-252-991A-26216 Sequence 036 1 US-08-720-484A-5 Sequence 036 2 US-08-723-823A-5 Sequence 036 2 US-09-398-239-5 Sequence 036 2 US-09-560-876A-5 Sequence 045 2 US-10-104-047-2830 Sequence 063 1 US-08-033-453B-3 Sequence 063 1 US-08-127-499A-8 Sequence | 063 1 US-08-482-847-8 Sequence 8 US-09-248-796A-14361 Sequence 1065 2 US-09-248-796A-14361 Sequence 1085 2 US-09-549-016-9707 Sequence 1135 2 US-09-35A-7 Sequence 1135 2 US-09-395-813A-437 Sequence 1141 2 US-109-999-813A-437 Sequence 1141 2 US-10-020-445A-337 Sequence 1141 1 US-108-131-365B-38 Sequence 1147 1 US-08-131-365B-38 Sequence 1147 1 US-08-131-365B-38 | 147 1 US-08-668-123-38 Sequence 149 2 US-09-252-991A-25557 Sequence 215 2 US-09-249-016;9445 Sequence 220 1 US-08-158-232-43 Sequence 220 1 US-08-158-232-43 Sequence 220 1 US-08-611-928-43 Sequence 244 2 US-09-173-891-48 Sequence 245 1 US-08-158-232-8 Sequence 245 1 US-08-158-232-8 Sequence 245 1 US-08-11-928-8 Sequence 245 1 US-08-11 | 257 1 US-08-158-232-6 Sequence 6 257 1 US-08-304-626-6 Sequence 6 257 1 US-08-314-626-6 Sequence 6 257 1 US-08-317-6 Sequence 6 257 2 US-09-076-137-6 Sequence 6 257 2 US-09-076-137-6 Sequence 6 257 2 US-09-076-137-6 Sequence 6 257 4 US-09-036-44-6 Sequence 6 257 4 US-09-092-540-14299 Sequence 5 257 2 US-09-095-443-2 Sequence 5 284 2 US-09-170-496D-294 Sequence 5 285 2 US-08-540-406-6 Sequence 5 285 2 US-08-540-406-6 Sequence 6 285 2 US-08-546-68-6 Sequence 6 285 2 US-08-918-658-6 Sequence 7 US-08-918-658-6 Sequence 7 US-08-918-658-6 Sequence 7 US-08-918-658-6 Sequence 7 US-08-918-658-6 US-08-918-658-6 Sequence 7 US-08-918-658-6 US-08-918-658-6 US-08-918-658-6 US-08-918-658-6 US-08-918-65 |
| 994 2 US-09-252-991A-23202 Sequence 995 1 US-08-574-59A-9 Sequence 995 2 US-08-574-014-9 Sequence 996 2 US-08-472-240A-3 Sequence 921 2 US-09-252-991A-33974 Sequence 995 2 US-09-252-991A-33974 Sequence 940 1 US-08-338-355-4 Sequence | 953 2 US-09-252-991A-30039 Sequence 9 972 2 US-09-949-016-6669 Sequence 9 972 2 US-09-948-019A-11867 Sequence 9 977 2 US-09-252-991A-1655 Sequence 9 984 1 US-08-673-789-9 Sequence 9 984 1 US-08-449-645A-19 Sequence | 9 984 4 PCT-US95-04681-19 Sequence 9 992 1 US-08-127-499A-1 Sequence 9 994 2 US-08-482-847-1781 Sequence 9 994 2 US-09-252-991A-17781 Sequence 9 994 2 US-10-781-294-16 Sequence 9 1009 2 US-09-252-991A-24492 Sequence 9 1014 2 US-09-252-991A-17583 Sequence 9 1016 2 US-09-252-991A-18914 Sequence | 1027 2 US-09-252-991A-26216 Sequence 1036 1 US-08-720-484A-5 Sequence 1036 2 US-08-720-484A-5 Sequence 1036 2 US-08-953-823A-5 Sequence 1036 2 US-09-560-876A-5 Sequence 1036 2 US-09-560-876A-5 Sequence 1063 1 US-08-093-4538-3 Sequence 1063 1 US-08-127-499A-8 Sequence 1063 1 US-08-127-499A-8 Sequence 1063 1 US-08-127-499A-8 | 9 1063 1 US-08-484-8 9 1063 2 US-09-248-796A-14361 Sequence 9 1065 2 US-09-560-876A-6 9 1089 2 US-09-549-016-9707 Sequence 9 1135 1 US-08-574-958A-7 Sequence 9 1135 2 US-09-377-014-7 Sequence 9 1137 2 US-09-377-014-7 Sequence 9 1141 2 US-09-999-833A-437 Sequence 9 1141 2 US-00-999-833A-437 Sequence 9 1147 1 US-08-113-365B-38 Sequence | 9 1147 1 US-08-668-123-38 Sequence 1199 2 US-09-252-991A-25557 Sequence 2 US-09-369-016;9845 Sequence 2 US-09-369-016;9845 Sequence 2 US-08-10-29-180-34 Sequence 2 US-08-158-232-43 Sequence 2 US-08-158-232-43 Sequence 2 US-08-173-891-43 Sequence 2 US-09-173-891-8 Sequence 2 US-08-100-29-180-110 Sequence 2 US-08-100-232-8 Sequence 2 US-08-304-626-8 Sequence 2 US-08-304-626-8 Sequence 2 US-08-304-626-8 Sequence 3 US-08-09-173-891-8 Sequence 3 US-08-09-173-90 | 9 1257 1 US-08-158-212-6 Sequence 1257 1 US-08-304-626-6 Sequence 1257 1 US-08-314-626-6 Sequence 1257 1 US-08-611-928-6 Sequence 1257 2 US-09-173-811-6 Sequence 1257 2 US-09-173-811-6 Sequence 1257 2 US-09-173-811-6 Sequence 1257 2 US-09-173-816-6 Sequence 1257 2 US-09-204-613-6 Sequence 1257 4 PCT-US92-03624-6 Sequence 1257 4 US-09-302-440-14299 Sequence 1284 2 US-09-304-456-5 Sequence 1284 2 US-09-304-456-6 Sequence 1285 2 US-08-540-146-6 Sequence 1285 2 US-08-540-668-6 Sequence 1285 2 US-08-656-658-6 Sequence 1285 2 US-08-954-668-6 Sequence 1285 2 US-08-918-658-6 |
| 2.9 904 2 US-09-252-991A-23222 Sequence 2.9 905 1 US-08-574-595A-9 Sequence 2.9 905 2 US-08-574-595A-9 Sequence 2.9 906 2 US-08-574-014-9 Sequence 2.9 906 2 US-08-472-240A-3 Sequence 2.9 921 2 US-09-252-991A-32974 Sequence 2.9 940 1 US-08-343-365-4 Sequence 2.9 941 1 US-08-343-365-4 Sequence 2.9 941 1 US-08-343-360-4 | 2.9 953 2 US-09-252-991A-30039 Sequence 2.9 972 2 US-09-949-016-6669 Sequence 2.9 977 2 US-09-489-039A-11867 Sequence 2.9 977 2 US-09-252-991A-16655 Sequence 2.9 984 1 US-08-673-789-9 Sequence 2.9 984 1 US-08-449-645A-19 Sequence 2.9 984 1 US-08-449-645A-19 Sequence | 2.9 984 4 PCT-US95-04681-19 Sequence 2.9 992 1 US-08-127-499A-1 Sequence 2.9 992 1 US-08-127-499A-1 Sequence 2.9 994 2 US-09-252-991A-17781 Sequence 2.9 994 2 US-09-252-991A-1781 Sequence 2.9 10109 2 US-09-252-991A-24492 Sequence 2.9 1014 2 US-09-252-991A-17583 Sequence 2.9 1016 2 US-09-252-991A-18914 Sequence 2.9 1016 2 U | 2.9 1027 2 US-09-252-991A-26216 Sequence 2.9 1036 2 US-08-720-484A-5 Sequence 2.9 1036 2 US-08-720-484A-5 Sequence 2.9 1036 2 US-08-953-8234-5 Sequence 2.9 1036 2 US-09-560-876A-5 Sequence 2.9 1045 2 US-10-104-047-2830 Sequence 2.9 1063 1 US-08-127-499A-8 | 2.9 1063 1 US-08-484-89 Sequence 2.9 1063 2 US-09-248-796A-14361 Sequence 2.9 1065 2 US-09-560-876A-6 Sequence 2.9 1089 2 US-09-560-876A-7 Sequence 2.9 1135 1 US-08-574-958A-7 Sequence 2.9 1135 2 US-09-377-014-7 Sequence 2.9 1137 2 US-09-379-9136 Sequence 2.9 1141 2 US-09-999-833A-437 Sequence 2.9 1141 2 US-08-131-365B-38 Sequence 2.9 1147 1 US-08-131-365B-38 Sequence 3.9 1147 1 US-08-131-38 Sequence 3.9 1147 1 US-08-131-365B-38 Sequence 3.9 1147 1 US-08-131-38 Sequence 3. | 2.9 1147 1 US-08-668-123-38 Sequence 2.9 1149 2 US-09-252-991A-25557 Sequence 2.9 1164 2 US-09-255-991A-25557 Sequence 2.9 1215 2 US-09-294-016-9845 Sequence 2.9 1220 1 US-08-158-232-43 Sequence 2.9 1220 2 US-09-173-891-43 Sequence 2.9 1220 2 US-09-173-891-8 Sequence 2.9 1244 2 US-08-158-132-8 Sequence 2.9 1245 1 US-08-158-232-8 Sequence 2.9 1245 1 US-08-119-28-8 Sequence 2.9 1245 1 US-08-011-928-8 Sequence 2.9 1257 1 US-08-011-928-8 Sequence 2.9 1257 1 US-08-0173-92 | 2.9 1257 1 US-08-158-212-6 Sequence 2.9 1257 1 US-08-304-626-6 Sequence 2.9 1257 1 US-08-304-626-6 Sequence 2.9 1257 1 US-08-317-6 Sequence 2.9 1257 2 US-09-173-811-6 Sequence 2.9 1257 2 US-09-076-1137-6 Sequence 2.9 1257 2 US-09-076-1137-6 Sequence 2.9 1257 2 US-09-076-1137-6 Sequence 2.9 1257 4 PCT-US92-03624-6 Sequence 2.9 1284 2 US-09-902-440-14299 Sequence 2.9 1284 2 US-09-902-440-6 Sequence 2.9 1285 2 US-08-540-1406-6 Sequence 2.9 1285 2 US-08-540-1406-6 Sequence 2.9 1285 2 US-08-540-668-6 Sequence 2.9 1285 2 US-08-540-668-6 Sequence 2.9 1285 2 US-08-546-668-6 Sequence 2.9 1285 2 US-08-954-668-6 Sequence 2.9 1285 2 US-08-918-658-6 Sequence 2.9 US-08-918-6 |
| 2.9 904 2 US-09-252-991A-23222 Sequence 2.9 905 1 US-08-574-59A-9 Sequence 2.9 905 2 US-08-574-59A-9 Sequence 2.9 906 2 US-08-574-50A-3 Sequence 2.9 906 2 US-08-472-240A-3 Sequence 2.9 921 2 US-09-252-991A-32974 Sequence 2.9 940 1 US-08-343-365-4 Sequence 2.9 941 1 US-08-343-365-4 Sequence 2.9 941 1 US-08-343-360-2 | 2.9 953 2 US-09-252-991A-30039 Sequence 2.9 972 2 US-09-949-016-6669 Sequence 2.9 977 2 US-09-489-039A-11867 Sequence 2.9 977 2 US-09-252-991A-16655 Sequence 2.9 984 1 US-08-673-789-9 Sequence 2.9 984 1 US-08-449-645A-19 Sequence 2.9 984 1 US-08-449-645A-19 Sequence | 2.9 984 4 PCT-US95-04681-19 Sequence 2.9 992 1 US-08-127-499A-1 Sequence 2.9 992 1 US-08-127-499A-1 Sequence 2.9 994 2 US-09-252-991A-17781 Sequence 2.9 994 2 US-09-252-991A-1781 Sequence 2.9 10109 2 US-09-252-991A-24492 Sequence 2.9 1014 2 US-09-252-991A-17583 Sequence 2.9 1016 2 US-09-252-991A-18914 Sequence 2.9 1016 2 U | 2.9 1027 2 US-09-252-991A-26216 Sequence 2.9 1036 2 US-08-720-484A-5 Sequence 2.9 1036 2 US-08-720-484A-5 Sequence 2.9 1036 2 US-08-953-8234-5 Sequence 2.9 1036 2 US-09-560-876A-5 Sequence 2.9 1045 2 US-10-104-047-2830 Sequence 2.9 1063 1 US-08-127-499A-8 | 2.9 1063 1 US-08-484-89 Sequence 2.9 1063 2 US-09-248-796A-14361 Sequence 2.9 1065 2 US-09-560-876A-6 Sequence 2.9 1089 2 US-09-560-876A-7 Sequence 2.9 1135 1 US-08-574-958A-7 Sequence 2.9 1135 2 US-09-377-014-7 Sequence 2.9 1137 2 US-09-379-9136 Sequence 2.9 1141 2 US-09-999-833A-437 Sequence 2.9 1141 2 US-08-131-365B-38 Sequence 2.9 1147 1 US-08-131-365B-38 Sequence 3.9 1147 1 US-08-131-38 Sequence 3.9 1147 1 US-08-131-365B-38 Sequence 3.9 1147 1 US-08-131-38 Sequence 3. | 2.9 1147 1 US-08-668-123-38 Sequence 2.9 1149 2 US-09-252-991A-25557 Sequence 2.9 1164 2 US-09-255-991A-25557 Sequence 2.9 1215 2 US-09-294-016-9845 Sequence 2.9 1220 1 US-08-158-232-43 Sequence 2.9 1220 2 US-09-173-891-43 Sequence 2.9 1220 2 US-09-173-891-8 Sequence 2.9 1244 2 US-08-158-132-8 Sequence 2.9 1245 1 US-08-158-232-8 Sequence 2.9 1245 1 US-08-119-28-8 Sequence 2.9 1245 1 US-08-011-928-8 Sequence 2.9 1257 1 US-08-011-928-8 Sequence 2.9 1257 1 US-08-0173-92 | 9 1257 1 US-08-158-212-6 Sequence 1257 1 US-08-304-626-6 Sequence 1257 1 US-08-314-626-6 Sequence 1257 1 US-08-611-928-6 Sequence 1257 2 US-09-173-811-6 Sequence 1257 2 US-09-173-811-6 Sequence 1257 2 US-09-173-811-6 Sequence 1257 2 US-09-173-816-6 Sequence 1257 2 US-09-204-613-6 Sequence 1257 4 PCT-US92-03624-6 Sequence 1257 4 US-09-302-440-14299 Sequence 1284 2 US-09-304-456-5 Sequence 1284 2 US-09-304-456-6 Sequence 1285 2 US-08-540-146-6 Sequence 1285 2 US-08-540-668-6 Sequence 1285 2 US-08-656-658-6 Sequence 1285 2 US-08-954-668-6 Sequence 1285 2 US-08-918-658-6 |
| 6 2.9 904 2 US-09-252-991A-2302 Sequence 6 2.9 905 1 US-08-574-959A-9 Sequence 6 2.9 906 2 US-08-9157-014-9 Sequence 6 2.9 906 2 US-08-9157-014-9 Sequence 6 2.9 921 2 US-09-252-991A-33974 Sequence 6 2.9 940 1 US-08-338-365-4 Sequence 6 2.9 941 1 US-08-343-365-4 Sequence | 6 2.9 953 2 US-09-252-991A-30039 Sequence 6 2.9 972 2 US-09-949-016-6669 Sequence 6 2.9 972 2 US-09-489-039A-11867 Sequence 6 2.9 977 2 US-09-252-991A-16655 Sequence 6 2.9 984 1 US-08-673-189-9 Sequence 6 2.9 984 1 US-08-449-645A-19 Sequence 6 2.9 984 1 US-08-449-645A-19 Sequence | 6 2.9 984 4 PCT-US95-04681-19 Sequence 6 2.9 992 1 US-08-127-499A-1 Sequence 6 2.9 992 1 US-08-127-499A-1 Sequence 6 2.9 994 2 US-09-252-991A-17781 Sequence 6 2.9 994 2 US-09-252-991A-1781 Sequence 6 2.9 1009 2 US-09-252-991A-24492 Sequence 6 2.9 1014 2 US-09-252-991A-17583 Sequence 6 2.9 1016 2 US-09-252-991A-18914 Sequence | 6 2.9 1027 2 US-09-252-991A-26216 Sequence 6 2.9 1036 1 US-08-70-484A-5 Sequence 6 2.9 1036 2 US-08-70-484A-5 Sequence 6 2.9 1036 2 US-08-953-8234-5 Sequence 6 2.9 1036 2 US-09-560-876A-5 Sequence 6 2.9 1036 2 US-09-560-876A-5 Sequence 6 2.9 1063 1 US-08-933-4538-3 Sequence 6 2.9 1063 1 US-08-933-4538-3 Sequence 6 2.9 1063 1 US-08-127-499A-8 Sequence | 6 2.9 1063 1 US-08-482-847-8 Sequence 8 2.9 1063 2 US-09-248-796A-14361 Sequence 8 2.9 1063 2 US-09-560-876A-6 Sequence 6 2.9 1085 2 US-09-560-876A-6 Sequence 6 2.9 1135 1 US-09-949-016-9707 Sequence 6 2.9 1135 2 US-09-949-002-336 Sequence 6 2.9 1137 2 US-09-949-002-336 Sequence 6 2.9 1141 2 US-09-999-833A-437 Sequence 6 2.9 1147 1 US-08-131-365B-38 Sequence 6 2.9 1147 1 US-08-131-365B-38 Sequence | 6 2.9 1147 1 US-08-668-123-38 Sequence 2.9 1149 2 US-09-252-991A-25557 Sequence 6 2.9 1164 2 US-09-949-016;9845 Sequence 6 2.9 1215 2 US-10-029-180-34 Sequence 6 2.9 1220 1 US-08-158-232-43 Sequence 6 2.9 1220 1 US-08-158-232-43 Sequence 6 2.9 1220 2 US-09-173-891-43 Sequence 6 2.9 1220 2 US-09-173-891-43 Sequence 6 2.9 1244 2 US-10-029-180-110 Sequence 6 2.9 1245 1 US-08-180-110 Sequence 6 2.9 1245 1 US-08-304-626-8 Sequence 6 2.9 1245 1 US-08-314-626-8 Sequence 6 2.9 1245 1 US-08-314-636-8 Sequence 6 2.9 1245 1 US-08-314-638-8 Sequence 6 2.9 1245 1 US-08-313-8 Sequence 8 2.9 | 2.9 1257 1 US-08-158-212-6 Sequence 2.9 1257 1 US-08-304-626-6 Sequence 2.9 1257 1 US-08-304-626-6 Sequence 2.9 1257 1 US-08-317-6 Sequence 2.9 1257 2 US-09-173-811-6 Sequence 2.9 1257 2 US-09-076-1137-6 Sequence 2.9 1257 2 US-09-076-1137-6 Sequence 2.9 1257 2 US-09-076-1137-6 Sequence 2.9 1257 4 PCT-US92-03624-6 Sequence 2.9 1284 2 US-09-902-440-14299 Sequence 2.9 1284 2 US-09-902-440-6 Sequence 2.9 1285 2 US-08-540-1406-6 Sequence 2.9 1285 2 US-08-540-1406-6 Sequence 2.9 1285 2 US-08-540-668-6 Sequence 2.9 1285 2 US-08-540-668-6 Sequence 2.9 1285 2 US-08-546-668-6 Sequence 2.9 1285 2 US-08-954-668-6 Sequence 2.9 1285 2 US-08-918-658-6 Sequence 2.9 US-08-918-6 |

ω

```
61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   89 GVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHGLPLHLPG 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 GVIQILGUKTSRFLCQRPDGALYGSLHFDPEACSFRELLEDGYNVYQSEAHGLPLHFPG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 HPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLLQLKALKP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 LEIREDGTVGGAADQSPESSLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29 HPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLBIREDGTVGGAADQSPESLLQLKALKP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121 CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Thomason, Arlen
APPLICANT: Thomason, Arlen
APPLICANT: Liu, Benxian
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 99-371
CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5, Application US/09390207
Patent No. 6504530
Patent No. 6504530
GEBREAL INFORMATION:
APPLICANT: Thomason, Arlen
APPLICANT: Liu, Benxian
APPLICANT: Liu, Benxian
APPLICANT: Liu, Benxian
APPLICANT: 190, 180001881 Growth Factor-Like Polypeptides
FILE REFERENCE: 99-31
CURRENT APPLICATION NUMBER: US/09/390,207
UNDRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                          Query Match

82.8%; Score 173; DB 2; Length 209;
Best Local Similarity 100.0%; Pred. No. 3.3e-158;
Matches 173; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              69.4%; Score 145; DB 2; Length 181; 100.0%; Pred. No. 2.3e-131;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NKSPHRDPAPRGPARFLPLPGLPPA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5213, Application US/09621976; Patent No. 6639063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 100.
Matches 145; Conservative
                                                                                                                                                                                                                                 SEQ ID NO 2
LENGTH: 209
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 181

TYPE: PRT

CRGANISM: Homo sapiens

US-09-390-207-5
Patent No. 6504530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-621-976-5213
                                                                                                                                                                                                                                                                                                                                  US-09-390-207-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-390-207-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 LEIREDGTVGGAADQSPESILQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61 LEIREDGTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 422, App
Sequence 403, App
Sequence 403, App
Sequence 402, App
Sequence 402, App
Sequence 403, App
Sequence 403, App
Sequence 403, App
Sequence 403, App
Sequence 8, Appl
Sequence 8, Appl
Sequence 8, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 29, Appl
Sequence 102, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patent No.
                      Sequence
Sequence
Sequence
                                                                                                                                                                                       Sequence
                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 2; Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Itch, No. 6716626uyuki
APPLICANT: Itch, No. 6716626uyuki
APPLICANT: Kavanaugh, W. Michael
ITTLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
ITTLE OF INVENTION: HUMAN FGF-21 GENE AND GENE CURRENTE OF INVENTION: PRODUCTS
FILE REFERENCE: PP-16758.001/201130.408
CURRENT APPLICATION NUMBER: 20/09/715,805
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FASESEQ for Windows Version 4.0
SEQ ID NO 4.0
SEQ ID NO 4.0
SEQ ID NO 5.20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match
100.0%; Score 209; DB 2; L
Best Local Similarity 100.0%; Pred. No. 8.4e-193;
Matches 209; Conservative 0; Mismatches 0;
                                       US-09-232-446B-21

US-09-551-77C-68

US-09-640-198D-30

US-09-640-134

US-09-077-948A-135

US-09-670-678-28

US-09-551-738B-57

US-09-551-738B-57

US-09-551-744-03

US-09-258-754-403

US-09-042-107-403

US-09-042-107-403

US-09-722-250D-403

US-09-722-250D-403

US-09-722-250D-403

US-09-676-475A-403

US-09-676-475A-403

US-09-676-475A-403

US-10-607-595-403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-841-483-29
US-09-045-632-102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LAPOPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LAPOPPDVGSSDPLSMVGPSQGRSPSYAS 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Application US/09715805
Patent No. 6716626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 2
US-09-390-207-2
; Sequence 2, Application US/09390207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-715-805-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121
```

9

g ò

9

Gaps

ö

```
APPLICANT: D1 Polo, Adriana
TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
TITLE OF INVENTION: USE OF TREATING OR PREVENTING DISEASES OF THE EYE
FILE REFERENCE: P01588.005 (20263.40)
CURRENT APPLICATION NUMBER: US/09/665,493B
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PateseQ for Windows Version 4.0
-SEQ ID NO 7
                                                                                                                       TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 99-371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 210;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:

APPLICANT: Itoh, No. 6716626uyuki

APPLICANT: Kavanaugh, W. Michael

TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION

TITLE OF INVENTION: PRODUCTS

FILE REFERENCE: PP-16758.001/201130.408

CURRENT APPLICATION NUMBER: US/09/715,805

CURRENT FILING DATE: 2000-11-16

NUMBER OF SEQ ID NOS: 17

SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 2; Le
8.7e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 30; DB 2; L. Pred. No. 8.7e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14.4%; Stor.
100.0%; Pred. No. c.
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         115 HFDPEACSFRELLLEDGYNVYQSEAHGLPL 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    115 HFDPEACSFRELLLEDGYNVYQSEAHGLPL 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       116 HFDPEACSFRELLEDGYNVYQSEAHGLPL 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14.4%; Score 30; DB 100.0%; Pred. No. 8.7 Live 0; Mismatches
                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application US/09665493B
Patent No. 6943153
GENERAL INFORMATION:
APPLICANT: Manning, William C., Jr.
APPLICANT: Dwarki, Varavani J.
APPLICANT: Rendahl, Katherine
APPLICANT: Zhou, Shang-Zhen
APPLICANT: Lau, Dana
APPLICANT: Lau, Dana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 2, Application US/09715805
Patent No. 6716626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Flannery, John G
Miller, Sheldon
Wang, Fei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 30, Conservative
                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
CORGANISM: Mus musculus
US-09-390-207-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Mus musculus
US-09-715-805-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-665-493B-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MDSDETGFEHSGLWVSVLAGLLLGACOAHPIPDSSPLLOFGGOVRORYLYTDDAOOTEAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6, Application US/09390207
Patent No. 6504530
GENERAL INFORMATION:
APPLICANT: Thomason, Arlen
APPLICANT: Liu, Benxian
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 37.8%; Score 79; DB 2; Length 85; Best Local Similarity 100.0%; Pred. No. 3e-68; Matches 79; Conservative 0; Mismatches 0; Indels
TITLE OF INVENTION: ESTS and Encoded Human Proteins.

TITLE OF INVENTION: ESTS and Encoded Human Proteins.

FILE REPERENCE: GENSET. 054PR2

CURRENT APPLICATION NUMBER: US/09/621,976

CURRENT FILING DATE: 2000-07-21

NUMBER OF SEQ ID NOS: 19335

SOFTWARE: Patent.pm

INVER: PATE: PATE: CATE OF TAX OF TAX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 2; I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14.4%; Score 30; DB 100.0%; Pred. No. 7.6 tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   115 HFDPEACSFRELLLEDGYNVYQSEAHGLPL 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PATENTIN VEY: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4, Application US/09390207
Patent No. 6504530
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LEIREDGTVGGAADQSPES 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LEIREDGTVGGAADQSPES 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Xaa = Leu,Val
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Thomason, Arlen APPLICANT: Liu, Benxian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: 57
OTHER INFORMATION: Xaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT; ORGANISM: Mus musculus
US-09-390-207-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: -28..-1
NAME/KEY: UNSURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: UNSURE
LOCATION: 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-621-976-5213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-390-207-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 6
```

Matches

q ò

Tue Jan 17 11:48:01 2006

```
RESULT 11
US-09-715-805-8
```

```
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
0
                                                                                                                                            .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                          GENERAL INCORNATION:
APPLICANT: Thomason, Arlen
APPLICANT: Liu, Benxian
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 99-371
CURRENT APPLICATION NUMBER: US/09/390,207
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver: 2.0
                                                                                                  Length 210;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Itch, No. 6716626uyuki
APPLICANT: Kavanaugh, W. Michael
APPLICANT: Kavanaugh, W. Michael
APPLICANTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
TITLE REPRESENCE: PP-16758,001/201130.408
CURRENT APPLICATION NUMBER: US/09/715,805
CURRENT FILING DATE: 2000-11-16
                                                                                                Query Match
14.4%; Score 30; DB 2; Lo
Best Local Similarity 100.0%; Pred. No. 8.7e-21;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 28; DB 2; Li
Pred. No. 1.1e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 16; DB 2; Lk
Pred. No. 2.1e~08;
                                                                                                                                                                                115 HFDPEACSFRELLLEDGYNVYQSEAHGLPL 144
                                                                                                                                                                                                                      116 HFDPEACSFRELLLEDGYNVYQSEAHGLPL 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MDSDETGFEHSGLWVSVLAGLLLGACQA 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                        Sequence 41, Application US/09390207 Patent No. 6504530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application US/09715805
Patent No. 6716626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ch 13.4%; Scoll Similarity 100.0%; P: 28; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match (179; Dest Local Similarity 100.0%; P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 45 RORYLYTDDAQQTEAH 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 RORYLYTDDAQQTEAH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
US-09-715-805-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
US-09-390-207-41
LENGTH: 210
TYPE: PRT
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                              ; ORGANISM: no
US-09-665-493B-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 7
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 41
LENGTH: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local S
Matches 28
                                                                                                                                                                                  ò
                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ДQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
```

```
Sequence 19831, Application US/09252991A

Sequence 19831, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

TITLE REPERBNCE: 107196,136

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190°

PRIOR PILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 19331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Goldman, Barry S.

APPLICANT: Hinkle, Gregory J.

APPLICANT: Hinkle, Gregory J.

APPLICANT: Slater, Steven C.

APPLICANT: Wiegand, Roger C.

TITLE OF INVENTION: Myscococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15849)B

CURRENT APPLICATION NUMBER: US/09/902,540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 477;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                       GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Itoh, No. 6716626uyuki
APPLICANT: Kavanaudh, W. Michael
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
TITLE OF INVENTION: PRODUCTS
CURRENT APPLICATION NUMBER: US/09/715,805
CURRENT FILING DATE: 2000-11-16
SOFTWARE: FASISEQ for Windows Version 4.0
SEQ ID NO 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3.8%; bcd. No. ...
100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 16018, Application US/09902540 Patent No. 6833447
Sequence 8, Application US/09715805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Pseudomonas aeruginosa US-09-252-991A-19831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              145 HLPGNKSPHRDPAPR 159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Rest Local Similarity 10v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           155 DPAPRGPA 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        155 DPAPRGPA 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JS-09-252-991A-19831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-902-540-16018
                                                                                                                                                                                                                                                                                                                                                                                                       US-09-715-805-8
```

```
US-09-009-953-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: THORN, Judith M.
APPLICANT: QUILLIAM, Lawrence A.
APPLICANT: DER, Channing J.
APPLICANT: DER, Channing J.
APPLICANT: FUDER, James E.
APPLICANT: RIDER, James E.
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF TITLE OF INVENTION: ISOLATING AND USING SAME
NUMBER OF SECURICES: 467
                                                                                                                                                 Length 564;
                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,999A
FILING DATE: 16-FEB-1996
CLASSIFICATION: 435
ATTONEY/AGENT INPOMMATION:
NAME: MISTOCK, S. Leslie
REGISTRATION NUMBER: 18,872
                                                                                                                              3.8%; Scor.
100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match 3.3%; Score 7; DB 2; Best Local Similarity 100.0%; Pred. No. 8.9; Matches 7; Conservative '0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                  Sequence 394, Application US/08602999A
Patent No. 6184205
                                                                                                                                                                                                                                                                                                                                                                                                                               SPARKS, Andrew B.
KAY, Brian K.
THORN, Judith M.
QUILLIAM, Lawrence A.
DER, Channing J.
FOWLKES, Dana M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (212) 790-9090
(212) 869-9741/8864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KEGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 11(
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 394:
                                                             ; . TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16018
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 16018
LENGTH: 564
                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: unknown
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie &
                                                                                                                                                                                                                                                               483 VLAGLLLG 490
                                                                                                                                                                                                                         17 VLAGLLLG 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 167 LPGLPPA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: New York
                                                                                                                                                                                                                                                                                                                            RESULT 14
US-08-602-999A-394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-602-999A-394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE:
                                                                                                                                                                                                                                                                 ద
```

```
Sequence 10, Application US/09009953

FREERIAL INCOMATION:
APPLICATION:
APPLICATION ADDRESS:
ADDRESSER:
TOWNERS:
ADDRESSER:
TOWNERS:
ADDRESSER:
ADD
```

LPGLPPA 13

RESULT 15

us-10-060-765-8.rai

```
Query Match
Best Local Similarity
4.004
                                                                                                                                                                                                                                                                                       US-09-715-805-8
                                               ,
PD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 29952, A
Sequence 21588, A
Sequence 25664, A
Sequence 35161, A
Sequence 30378, A
Sequence 30648, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 260, App
Sequence 260, App
Sequence 3, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 3, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 31822, A
Sequence 22856, A
Sequence 18109, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 8, Appli
Sequence 5, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23280, A
                                                                          January 13, 2006, 17:05:18; Search time 18.871 Seconds (without alignments) 65.717 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5
Sequence 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                       /cgr2_6/prodata/1/iaa/5_COMB.pep:*
/cgr2_6/prodata/1/iaa/5_COMB.pep:*
/cgr2_6/prodata/1/iaa/H_COMB.pep:*
/cgr2_6/prodata/1/iaa/PCTUS_COMB.pep:*
/cgr2_6/prodata/1/iaa/RE_COMB.pep:*
/cgr2_6/prodata/1/iaa/RE_COMB.pep:*
        GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-715-805-8

US-09-390-207-5

US-09-310-207-5

US-09-252-991A-11822

US-09-252-991A-12856

US-09-252-991A-22856

US-09-252-991A-22856

US-09-252-991A-21588

US-09-252-991A-21588

US-09-252-991A-21588

US-09-252-991A-21648

US-09-252-991A-21648

US-09-252-991A-2168

US-09-252-991A-2168

US-09-252-991A-2138

US-09-252-991A-2135

US-09-349-016-11276

US-10-012-211A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-015-393A-260
US-10-011-833A-260
US-10-006-041A-260
US-10-012-064A-260
                                                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-261-822A-3
                                                                                                                                                                                                               572060 segs, 82675679 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUMMARIES
                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                     OM protein - protein search, using sw model
                                                                                                                                                                           BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                   1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                              Issued_Patents_AA:*
                                                                                                                                                                                                                                                             Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                          US-10-060-765-8
89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       %
Query
Match Length DB
                                                                                                                                      Perfect score:
                                                                                                                                                                           Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                              Searched:
                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                                                                                                              Database
                                                                              Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š.
```

```
ö
                              59, Appl
23226, A
23226, A
8325, Ap
22, Appl
24, Appl
24, Appl
24, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
Sequence
Sequence
Sequence
Sequence
                                                               Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                  Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                     Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-390-207-5

US-09-390-207-5

Sequence 5, Application US/09390207

Patent No. 6504530

GENERAL INFORMATION:

APPLICANT: Thomason, Arlen

APPLICANT: Liu, Benxian

TITLE OP INVENTION: Fibroblast Growth Factor-Like Polypeptides

FILE REFERENCE: 99-371

CURRENT APPLICATION NUMBER: US/09/390,207

CURRENT FILING DATE: 1999-09-07

NUMBER OF SEQ ID NOS: 41

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 5

LENGTH: 181

LENGTH: 181

TVOE: NOTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 8. Application US/09715805

Patent No. 6716626

GENERAL INFORMATION:
APPLICANT: Kavanaugh, W. Michael
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PROJUCTS
FILE REPERENCE: PP-16758 001/201130 408
CURRENT APPLICATION NUMBER: US/09/715,805
CURRENT FILING DATE: 2000-11-16
NUMBER OF SEQ ID NOS: 17
SOCTWARRE: FastSEQ for Windows Version 4.0
SEQ ID NO 8
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                             US-09-252-991A-27502
US-09-489-039A-8325
US-07-999-280A-22
US-07-999-280A-24
US-08-426-279-22
US-08-426-279-22
            -09-252-991A-32717
-09-538-092-59
                                               -09-252-991A-23226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 89; DB 2; I
Pred. No. 5.5e-07;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 89; DB 2; Pred. No: 7.9e-06;
                                                                                                                                                                US-08-401-013-22
US-08-401-013-24
US-08-426-570-22
US-08-426-570-24
                                                                                                                                                                                                                                     -08-425-876-22
                                                                                                                                                                                                                                                                                       US-08-426-243-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Sc
100.0%; Pr
tive 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo mapiens
US-09-715-805-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
US-09-390-207-5
```

```
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ASRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ASRUGINOSA: US /09/252,991A
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER: OS 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER: OS 22856
LENGTH: 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PAPELICANT: Marc 1. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 18199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                Length 1419;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2;
                                                                                                                                                                                                                                                                                  DB 2;
                                                                                                                                                                                                                                                                                Score 57; DB;
Pred. No. 3.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                           0; Mismatches
CURRENT APPLICATION NUMBER: US/09/252,991A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ch 57.3%; Score 51; 1 Similarity 58.8%; Pred. No. 10; Conservative 0; Mismatch
                  CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1990-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 31822
LENGTH: 1419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 22856, Application US/09252991A
Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18109, Application US/09252991A Patent No. 6551795
                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       109 HRPGTAASEPHRSPAPR 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 HLPGN--KSPHRDPAPR 15
                                                                                                                                                                                                                                                                                64.0%;
66.7%;
                                                                                                                                                                                                                                                                                                                                                                       1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                  25 HLPRRAOPHRRPAPR 39
                                                                                                                                                                                                                                                                         Ouery Match
Best Local Similarity 66.77
Matches 10, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 10; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-252-991A-22856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-252-991A-18109
                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RELATING TO PSEUDOMONAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ..
0
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATITILE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS FILE REFERENCE: 107196.136
                                                                                                                                                                                                                                                    APPLICANT: Thomason, Arlen
APPLICANT: Thomason, Arlen
APPLICANT: Liu, Benxian
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
FILE REFERENCE: 99-371
CURRENT APPLICATION NUMBER: US/09/390,207
CURRENT FILING DATE: 1999-09-07
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.0
LENGTH: 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 209;
  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:

APPLICANT: Itch, No. 6716626uyuki
APPLICANT: Kavanaugh, W. Michael
TITLE OF INVENTION: HUMAN PGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
FILE REPERRENCE: PP-16758.001/201130.408
CURRENT FILING DATE: 2000-11-16
  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.2e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 89; DB 2; 100.0%; Pred. No. 9.2e-06
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 89; D
Pred. No. 9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 31822, Application US/09252991A Patent No. 6551795
                                                                                                                                                                         US-09-390-207-2

, Sequence 2, Application US/09390207

; Patent No. 6504530

; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 4, Application US/09715805 Patent No. 6716626
;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HLPGNKSPHRDPAPR 159
                                                                                    117 HLPGNKSPHRDPAPR 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              145 HLPGNKSPHRDPAPR 159
                                           1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15; Conservative
  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , ORGANISM: Homo sapiens
US-09-715-805-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , ORGANISM: Homo sapiens
US-09-390-207-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION: APPLICANT: Marc J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-252-991A-31822
15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 4
LENGTH: 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-715-805-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     유
```

```
Sequence 25664, Application US/09252991A

Sequence 25664, Application US/09252991A

Patent No. 6551795

GERERAL INFORMATION:

ALE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REPERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT PILING DATE: 1999-02-18

PRIOR PADICATION NUMBER: US 60/074,788

PRIOR PLING DATE: 1998-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 25664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT Homburger et al.
APPLICANT Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-034
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver: 2.0
SEQ ID NO 35161
LENGTH: 392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
SOFTWARE: PATENTIN VOIS: 62217
SOFTWARE: PATENTIN VOIS: 62217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 330;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Length 392;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 2;
35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 46; DB 2
Pred. No. 42;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 46; DB 2
Pred. No. 35;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PEATURE:

OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-35161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 35161, Application US/09270767 Patent No. 6703491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 50378, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                             ) ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                53.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         51.7%;
66.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 53.0
Tr Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 PGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 PAGRRPHROPOPR 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 66.7
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ||||: |:| ||
303 LPGNRWPYRGPA 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 LPGNKSPHRDPA 13
                              JS-09-252-991A-25664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 11
US-09-270-767-35161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-270-767-50378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                 Sequence 2952, Application US/09252991A
Patent No. 6521795
GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 107196.136
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR PILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

APPLICANT: Marc J. Rubenfield et al.

ITILE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 21588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                             ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                            DB 2; Length 187;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 286;
                                                                                        5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 46; DB 2;
Pred. No. 32;
2; Mismatches
                                                                                        1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                          57.3%; Score 51; 57.1%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 46;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 9
US-09-252-991A-21588
; Sequence 21588, Application US/09252991A
; Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          h 51.7%;
Similarity 53.3%;
8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 61.5%;
Matches 8; Conservative
                                                                                                                                                              | || : | ||||
89 HRPGRRHPRHDPAP 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ||| : | || || HLPRDAHPRADPRPR 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 HLPGNKSPHRDPAPR 15
                                                                                                                                1 HLPGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100 PGDRPPGRRPAPR 112
                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 PGNKSPHRDPAPR 15
                                                               Local Similarity
les 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                           RESULT 8
US-09-252-991A-29952
US-09-252-991A-18109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-252-991A-29952
                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
```

SEQ ID NO 50378

```
RESULT 15
US-09-252-991A-24235
US-09-252-991A-24235, Application US/09252991A
Sequence 24325, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PARCIALL NO. GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
CURRENT APPLICATION NUMBER: 00/241,755
PRIOR PELICATION NUMBER: 00/241,755
PRIOR FILING DATE: 2000-10-03
PRIOR PELICATION NUMBER: 60/231,498
PRIOR PELICATION NUMBER: 60/231,498
PRIOR PELING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOUTHARD PRIOR PELING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SEQ ID NO 11176
LENGTH: 689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 632;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 689;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 45; DB 2; 1
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    score 45; DB 2; Pred. No. 98; 1; Mismatches
                                                                                                                                                                                                                                                                               FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
FRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR PILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
LENGTH: 632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 11276, Application US/09949016
Patent No. 6812339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 17
US-10-012-231A-260
; Sequence 260, Application US/10012231A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       50.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50.6%;
                                       359 НІРОКАНРКККРАРО 373
  1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16 HLPAGAADHAFPAPR 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     567 РСКОСРНСИРСРК 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 53.3*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-252-991A-24235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Human
US-09-949-016-11276
                                  d
    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR PTLING DATE: 1999-02-18
PRIOR PILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
LENGTH: 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AERCHGIONOSA FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR PILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 23280
LENGTH: 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
0
                                                                                                                                                         Length 392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   50.6%; Score 45; DB 2; ilarity 53.3%; Pred. No. 93; Conservative 1; Mismatches
                                                                                                                                                    Score 46; DB 2;
Pred. No. 42;
2; Mismatches
                                                                                   OTHER INFORMATION: Xaa means any amino acid US-09-270-767-50378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 45;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                             Sequence 30648, Application US/09252991A Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-252-991A-23280
; Sequence 23280, Application US/09252991A
; Patent No. 6551795
                       TYPE: PRT ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT CRGANISM: Pseudomonas aeruginosa US-09-252-991A-30648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    50.6%;
                                                                                                                                                    Query Match
Best Local Similarity 66.7%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                 ||||: |:| ||
303 LPGNRWPYRGPA 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 50.6
Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                                                                                                                                                          2 LPGNKSPHRDPA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      || :: | ||||
81 PGGRATHPDPAP 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
8; Conserva
                                                                                                                                                                                                                                                                                                                                                                          US-09-252-991A-30648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Pseudo
US-09-252-991A-23280
LENGTH: 392
```

```
2 LPGNKSPHRDP 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                        Goddard
                                                                                                              -10-006-768A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-006-768A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                 g
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Pan, James F.

APPLICANT: Pan, James F.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
FILE REPERBNCE: P2830PLC48

CURRENT FILING DATE: 2002-06-25

Prior Application removed - See File Wrapper or Palm

NUMBER OP SEQ ID NOS: 477

SEQ ID NO 260

LENGTH: 802

TYPP
                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P283091C23
CURRENT APPLICATION NUMBER: US/10/012,231A
CURRENT FILING DATE: 2002-06-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 2; Length 802;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      50.6%; Score 45; DB 2; Length 802; 63.6%; Pred. No. 1.3e+02; Live 3; Mismatches 1; Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                       Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477 SEQ ID NO 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             50.6%; Score 45; 63.6%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eaton, Dan 1.
Ferrara, Napoleone
Forga, Sherman
Gao, Wei-Qiang
Goddard, Audrey
Goddwski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 260, Application US/10015389A
Patent No. 6936436
GENERAL INFORMATION:
                                                                                                                                                                Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                      Ferrara, Napoleone
Fong, Sherman
Bao, Wei-Qiang
                                                                                                                                                                                                     Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                                                                                            Paoni, Nicholas F
             Baker, Kevin P.
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
                                                                                                                                              Goddard, Audre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 50.6
Best Local Similarity 63.6
Matches 7; Conservative
                                                     Desnoyers, Luc
Eaton, Dan 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |||:|| |::|
519 LPGSKSEHKEP 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 LPGNKSPHRDP 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) ORGANISM: Homo sapiens
US-10-012-231A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
CAGANISM: Homo sapiens
US-10-015-389A-260
                                                                                                                                                                                                                                           Pan, James
                                                                     APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pani, Nicholas F.
TITLE OF INVENTION: Screted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERENCE: P2830PIC10
CURRENT APPLICATION NUMBER: US/10/006,768A
CURRENT FILING DATE: 2002-03-05
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 260
LENGTH: 802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830PLC47
CURRENT APPLICATION NUMBER: US/10/015,671A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 50.6%; Score 45; DB 2; Length 802; 63.6%; Pred. No. 1.3e+02; ive 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prior application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
                                                                                                                      Sequence 260, Application US/10006768A Patent No. 6936697
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 260, Application US/10015671A
                                                                                                                                                                                                                                                                                                                                                                                 Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
                                                                                                                                                                                                                                                                                       Ferrara, Napoleone
Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ferrara, Napoleone
Fong, Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                              Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                               Baker, Kevin P.
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Baker, Kevin P.
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gao, Wei-Qiang
Goddard, Audrey
|||:|| |::|
519 LPGSKSEHKEP 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       519 LPGSKSEHKEP 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 LPGNKSPHRDP 12
                                                                                                                                                                                                                                                                      Eaton, Dan l.
```

us-10-060-765-8.rai

g

```
ö
               APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same File Reference: P283040EE: P283040EE: US/10/011,833A CURRENT APPLICATION NUMBER: 2002-06-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 802;
                                                                                                                                                                                                                                                                          Length 802;
                                                                                                                                                                                                                                                                                                              1; Indels
                                                                                                                           Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477 SEQ ID NO 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477 SEQ ID NO 260
                                                                                                                                                                                                                                                                        Score 45; DB 2;
Pred. No. 1.3e+02;
3; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: P2830P1C8
CURRENT APPLICATION NUMBER: US/10/006,041A
CURRENT FILING DATE: 2001-12-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 260, Application US/10012064A Patent No. 6953841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 260, Application US/10006041A Patent No. 6951921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goddard, Audrey
Goddwski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              50.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 errara, Napoleone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL İNFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 63.0
Best Local 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 63.0
                                                                                                                                                                                                                                                                                                                                                                        519 LPGSKSEHKEP 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |||:|| |::|
519 LPGSKSEHKEP 529
                                                                                                                                                                                                                                                                                                                                                   2 LPGNKSPHRDP 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 LPGNKSPHRDP 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Baton, Dan l
                                                                                                                                                                                                    TYPE: PRT

ORGANISM: Homo sapiens
US-10-011-833A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-006-041A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 23
US-10-006-041A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-012-064A-260
                                                                                                                                                                                                                                                                                                                                                   δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Paoni, Nicholas F. TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 802;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
SEQ ID NO 260
LENGTH: 802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 45; DB 2; 1 Pred. No. 1.3e+02;
                                                                                                          Score 45; DB 2;
Pred. No. 1.3e+02;
                                                                                                                                              3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/015,393A CURRENT FILING DATE: 2002-06-10
                                                                                                                                                                                                                                                                                                              Sequence 260, Application US/10015393A Patent No. 6951737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 260, Application US/10011833A Patent No. 6951920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Ferrara, Napoleone
Fong, Sherman
Gao, Wei-Oiang
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ferrara, Napoleone
Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
                                                                                                          Query Match
Best Local Similarity 63.6%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pan, James
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Baker, Kevin P.
Botstein, David
Desnoyers, Luc
Eaton, Dan 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Godowski, Paul J
                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P2830P1C46
                                                                                                                                                                                                        519 LPGSKSEHKEP 529
                                                                                                                                                                                                                                                                                                                                                                                                             Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            519 LPGSKSEHKEP 529
                                                                                                                                                                                   2 LPGNKSPHRDP 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 LPGNKSPHRDP 12
               LENGTH: 802
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , ORGANISM: Homo sapiens
US-10-015-393A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                          RESULT 21
US-10-015-393A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE:
                                                                     US-10-015-671A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-011-833A-260
SEQ ID NO 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
```

ઠે g

```
ö
                                                                                                                                                                                                                                   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830PIC19
CURRENT APPLICATION WUMBER: US/10/012,064A
CURRENT FILING DATE: 2002-07-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 3, Application US/08819288
Parent No. 5955652
GENERAL INFORMATION:
APPLICANT: Ecker, Joseph
APPLICANT: Aloneo, Jose
TITLE OF INVENTION: AND PATHOGENS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & No. 5955652ris
STREET: One Liberty Place - 46th Floor
CTTY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098621
PRIOR APPLICATION NUMBER: 60/098821
PRIOR FILING DATE: 1998-09-02
PRIOR PELING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-09
PRIOR SEQ ID NOS: 477
SEQ ID NO 260
CENGTH: 802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 802;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                           CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION UNMBER: 60/099716
PRIOR FILING DATE: 1998-09-01
PRIOR FLLING DATE: 1998-09-01
PRIOR FLLING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098729
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
                                                                              Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RIOR APPLICATION NUMBER: 60/098750
THIOR FILING DATE: 1998-09-01
RIOR APPLICATION NUMBER: 60/09803
RIOR FILING DATE: 1998-09-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC comparible
             Gerrara, Napoleone
Song, Sherman
                                                                                                                                                                                              Pan, James
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       50.6%;
                                                                                                                                                  Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match , 50.6
Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      519 LPGSKSEHKEP 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 LPGNKSPHRDP 12
Saton, Dan l
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
US-10-012-064A-260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      В
```

```
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/819,288
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: UPN-2949
TELEPHONE: 215-568-3499
INFORMATION INFORMATION:
TELEPHONE: 215-568-3499
INFORMATION FSEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1294 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
INFORMATION SOLOS:
ACOUNTY HYPE: protein
US-08-819-288-3
Query Match
Best Local Similarity 61.5%; Pred. No. 2.1e+02;
Matches 8; Conservative 2; Mismatches 3; Indels
Oy
IHLPGNKSPHRDPA 13

Out HERGNKSPHRDPA 13

| | | | | | | | | | | | | |
Db
939 HERNKSGYWDPS 951
Search completed: January 13, 2006, 17:22:54
JOb time: 18.871 secs
```

```
US-10-818-140-8

(Sequence 8, Application US/10818140

(Sequence 8) Application US/20818140

(SERERAL INFORMATION:

(APPLICANT: Itoh, Nobuyuki

(APPLICANT: Itoh, Nobuyuki

(APPLICANT: Itoh, Nobuyuki

(APPLICANT: EVAVANAUGH, W. Michael

(APPLICANT: FAVANAUGH, W. Michael

(APPLICANT: FAVANAUGH, W. Michael

(APPLICANTON: HUMAN FEF-21 GENE AND GENE EXPRESSION

(APPLICANTON: PRODUCTS

(APPLICANTON: PRODUCTS

(APPLICANTON UNMER: US/10/818,140

(APPLICANTON UNMER: US/09/715,805

(APPLICANTON UNMER: 2004-04-05

(APPLICANTON UNMER: US/09/715,805

(APPLICANTON UNMER: US/09/715,80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 15
TYPE: PRT
CRGANISM: Homo sapiens
US-10-060-765-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Appl
Appl
                                                                                                                   January 13, 2006, 17:21:33 ; Search time 53.7097 Seconds (without alignments) 116.691 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Published Applications AA Main:*

(cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -10-216-159A-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-227-884-78
US-10-230-163-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-379-334-33
US-10-659-004-54
                                                                                                                                                                                                                                                                                                                                                         1867569 seqs,, 417829326 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                          - protein search, using sw model
                                                                                                                                                                                                                                                                                            BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                  1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                    US-10-060-765-8
89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1000.00
                                                                                                                                                                                                         Title:
Perfect score:
                                                                                                                                                                                                                                                                                            Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Database :
                                                                                                                                                                                                                                                    Sequence:
                                                                                                                                                                                                                                                                                                                                                         Searched:
                                                                                                                          Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Result
```

```
ö
                                                      Appl
Appl
Appl
Appl
Appl
Appl
Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                 Sequence
                     Sequence
Sequence
                                                                                            Sequence
                                                                                                                         Sequence
                                                                                                                                                            Sequence
                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                  Sequence
                                                                        Sequence
                                                                                                           Sequence
                                                                                                                                             Sequence
                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                      Sequence
                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Itch, No. US20020164713Aluyuki
APPLICANT: Kavanaugh, W. Michael
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
FILE REFERENCE: PP-16758.001/201130.408
CURRENT APPLICATION NUMBER: US/10/060,765
CURRENT PILING DATE: 2002-01-29
PRIOR APPLICATION NUMBER: US/09/715,805
PRIOR FILING DATE: 2000-11-16
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PABLES for Windows Version 4.0
SEQ ID NO 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 89; DB 4; Length 15; 100.0%; Pred. No. 1.4e-05; rive 0; Mismatches 0; Indels
US-10-230-260-78
US-10-232-231-78
US-10-216-165-78
US-10-219-468-78
US-10-219-468-78
US-10-219-478-78
US-10-219-478-78
US-10-219-478-78
US-10-219-478-78
US-10-219-478-78
US-10-219-474-78
US-10-219-474-78
US-10-219-524-78
US-10-219-528-78
US-10-227-880-78
US-10-227-881-78
US-10-227-881-78
US-10-227-881-78
US-10-227-881-78
US-10-227-881-78
                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 8, Application US/10060765 Publication No. US20020164713A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 15, Conservative
```

q

```
APPLICANT: ECONS, Michael
APPLICANT: WHITE, Kenneth
APPLICANT: THIE, Kenneth
APPLICANT: STROW, Tim
APPLICANT: MITTINGER, Thomas
TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTOR (FGF23) AND METHODS FOR USE
THE REPERBENCE: 053884-5001
CURRENT APPLICATION NUMBER: US/09/901,938
CURRENT FILING DATE: 2001-07-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: ECONS, Michael
APPLICANT: FCONS, Michael
APPLICANT: STROM, Tim
APPLICANT: STROM, Tim
APPLICANT: MEITINGER, Thomas
TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTOR (FGF23) AND METHODS FOR USE
FILE REPERENCE: 053844-5001
CURRENT APPLICATION NUMBER: US/10/379,334
CURRENT FILING DATE: 2003-03-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 89; DB 3; Length 136; 100.0%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                 APPLICANT: Itch, No. US20030105302Aluyuki
APPLICANT: Kavanaugh, W. Michael
TITLE OF INVENTION: HUMAN FGF-23 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
FILE REFERENCE: PP-17149.001/201130.409
CURRENT APPLICATION NUMBER: US/09/802,154
CURRENT FILING DATE: 2001-03-07
NUMBER OF SEQ ID NOS: 46
SOFTWARE: FASTESQ for Mindows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                           . 6.1e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
100.0%; Score 89;
Best Local Similarity 100.0%; Pred. No..
Matches 15; Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/219,137 PRIOR FILING DATE: 2000-07-19 WUMBER OF SEQ ID NOS: 34 SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 33, Application US/10379334
Publication No. US20030181379A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 33, Application US/09901938
Patent No. US20020156001A1
GENERAL INFORMATION:
                     Sequence 36, Application US/09802154 Publication No. US20030105302A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 HLPGNKSPHRDPAPR 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15; Conservative
                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapiens
US-09-802-154-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-901-938-33
                                                                                                                                                                                                                                                                                               SEQ ID NO 36
LENGTH: 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                   Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 68;
                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                Sequence 8, Application US/10771173

Bublication No. US20050037457A1

GENERAL INFORMATION:
APPLICANT: Itch, Nobuyuki
APPLICANT: Kavanaugh, W. Michael
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 36, Application US/09801968
Patent No. US20020082205A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Itoh, No. US20020082205Aluyuki
APPLICANT: HOWAN FGF-23 GENE AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS
TILE OF INVENTION: PRODUCTS
TILE REFERENCE: PP-17150.001/201130.40901
CURRENT APPLICATION NUMBER: US/09/801,968
                                                                                           . No. 1.4e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6.1e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.4e-05;
                                                       Query Match 100.0%; Score 89; DB 4; Best Local Similarity 100.0%; Pred. No. 1.4e-05 Matches 15; Conservative 0; Mismatches n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 89; DB 5; Best Local Similarity 100.0%; Pred. No. 1.4e-05 Matches 15; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 89; DB 3;
Pred. No. 6.1e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REPERENCE: PP-16758.001/201130.408
CURRENT APPLICATION NUMBER: US/10/771,173
CURRENT FILING DATE: 2004-02-03
PRIOR APPLICATION NUMBER: US/09/715,805
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FASELSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 46
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Scc
100.0%; Pro
                                                                                                                                                         1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                          1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 100.
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-173-8
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-801-968-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -09-801-968-36
    ; ORGANISM: nu
US-10-818-140-8
                                                                                                                                                                                                                                                                                               US-10-771-173-8
```

ò a Query Match

ઠે

ö

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FIRE REFERENCE: P3530PLC79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 89; DB 3; Length 208; 100.0%; Pred. No. 0.00018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                    TITLE OF INVENTION: NOVEL FOR HOMOLOG ZFGF11
FILE REFERENCE: 00-03
CURRENT APPLICATION NUMBER: US/09/755,695
CURRENT FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 60/174,526
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/227,884
CURRENT FILING DATE: 2002-08-26
PRIOR FILING DATE: 2002-08-26
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PELICATION NUMBER: 60/65287
PRIOR APPLICATION NUMBER: 60/66287
PRIOR APPLICATION NUMBER: 60/663849
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Godowski, Paul J.
Grimaldi, J. Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 78, Application US/10227884 Publication No. US20030027988A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              144 HLPGNKSPHRDPAPR 158
                                          Darrell C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Baker, Kevin P. APPLICANT: Desnoyers, Luc APPLICANT: Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
CORGANISM: Homo sapiens
US-09-755-695-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 54, Application US/10659004
Publication No. US20050048507A1
GENERAL INFORMATION:
THEREAL INFORMATION:
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REPRENEUE: 21402-608
CURRENT APPLICATION NUMBER: US/10/659,004
CURRENT FILING DATE: 2003-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/295,607
PRIOR FILING DATE: 2001-06-04
PRIOR FILING DATE: 2001-06-04
PRIOR FILING DATE: 2001-06-04
PRIOR PILING DATE: 2001-06-04
PRIOR PILING DATE: 2001-06-04
PRIOR PILING DATE: 2001-06-06
PRIOR PILING DATE: 2001-06-06
PRIOR PILING DATE: 2001-06-06
PRIOR PILING DATE: 2001-06-11
PRIOR APPLICATION NUMBER: 60/297,414
PRIOR APPLICATION NUMBER: 60/297,567
PRIOR PILING DATE: 2001-06-12
PRIOR PILING DATE: 2001-06-12
PRIOR PELING DATE: 2001-06-12
PRIOR PILING DATE: 2001-06-15
PRIOR PILING DATE: 2001-06-21
PRIOR PILING DATE: 2001-06-26
                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                      Score 89; DB 4; Length 136; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 89; DB 5; Length 183; 100.0%; Pred. No. 0.00016;
                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
PRIOR APPLICATION NUMBER: US/09/901,938
PRIOR FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/219,137
PRIOR FILING DATE: 2000-07-19
NUMBER OF SEQ ID NOS: 34
SEG ID NO 33
LENGTH: 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/09755695 Patent No. US20020081663A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: CuraSeqList version 0.1
SEQ ID NO 54
LENGTH: 183
                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              107 HLPGNKSPHRDPAPR 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    117 HLPGNKSPHRDPAPR 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo Sapiens
US-10-379-334-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
US-10-659-004-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-755-695-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    d
```

| · | · · | | , |
|---|--|---|---|
| NUMBER: 60/08441 1. 1998-05-06 NUMBER: 60/085323 1. 1998-05-13 NUMBER: 60/085579 1. 1998-05-15 NUMBER: 60/08532 1. 1998-05-15 1. 1998-06-17 NUMBER: 60/089532 1. 1998-06-17 NUMBER: 60/089538 1. 1998-06-17 NUMBER: 60/089538 1. 1998-06-17 NUMBER: 60/089538 1. 1998-06-17 | 1998-06-24 NUMBER: 60/09059 1998-06-25 NUMBER: 60/09069 1998-06-25 NUMBER: 60/09069 1998-07-07 NUMBER: 60/09530 1998-07-07 NUMBER: 60/09530 1998-08-04 NUMBER: 60/09531 1998-08-04 NUMBER: 60/09531 1998-08-04 NUMBER: 60/09541 1998-08-17 | NUMBER: 60/09798 NUMBER: 60/09854 1998-08-31 1998-09-09 1998-09-09 NUMBER: 60/0959 NUMBER: 60/09980 1998-09-10 NUMBER: 60/09981 1998-09-10 NUMBER: 60/09981 1998-09-10 NUMBER: 60/09981 1998-09-10 NUMBER: 60/09981 1998-09-10 NUMBER: 60/09981 1998-09-10 | NUMBER: 60/100390 1998-09-15 1998-09-16 NUMBER: 60/100627 1998-09-18 NUMBER: 60/100919 1998-09-23 NUMBER: 60/101477 1998-09-23 NUMBER: 60/10178 1998-09-24 NUMBER: 60/10178 1998-09-24 NUMBER: 60/101786 1998-09-25 NUMBER: 60/101786 1998-09-25 NUMBER: 60/101786 1998-09-25 NUMBER: 60/101786 1998-09-25 NUMBER: 60/101916 |
| | A TOON CONTRACT OF THE CONTRAC | PPLICATION PPLICATION PLICATION PLICATION PLICATION PPLICATION PPLICATION PPLICATION PPLICATION ILING DATE PPLICATION PPLICATION ILING DATE PLING DATE PPLICATION ILING DATE PPLICATION ILING DATE PPLICATION ILING DATE PPLICATION ILING DATE | |
| PRIOR | PRIOR | PRIOR | PRIOR |

R APPLICATION NUMBER: 60/112422
R AFLING DATE: 1998-12-15
R FILING DATE: 1998-12-22
R FILING DATE: 1998-12-22
R FILING DATE: 1998-12-22
R FILING DATE: 1998-12-23
R FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/106248 FILING DATE: 1998-10-29 APPLICATION NUMBER: 60/106464 PILING DATE: 1998-10-30 APPLICATION NUMBER: 60/106905 FILING DATE: 1998-11-03 APPLICATION NUMBER: 60/108787 FILING DATE: 1998-11-17 FILING DATE: 1998-11-17 APPLICATION NUMBER: 60/108849 FILING DATE: 1998-11-18 LING DATE: 1998-12-23 PLICATION NUMBER: 60/115558 LING DATE: 1999-01-12 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 FILING DATE: 1999-03-10 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 FILING DATE: 1999-08-17 APPLICATION NUMBER: 60/149638 LICATION NUMBER: 60/115565 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 LLING DATE: 1999-04-05 PPLICATION NUMBER: 60/130232 APPLICATION NUMBER: 60/140650 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/140723 APPLICATION NUMBER: 60/144758 FILING DATE: 1999-07-20 FILING DATE: 1999-08-17 APPLICATION NUMBER: 60/151733 FILING DATE: 1999-08-31 LICATION NUMBER: 60/108801 APPLICATION NUMBER: 60/115733 PLICATION NUMBER: 60/125259 APPLICATION NUMBER: 60/126773 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 APPLICATION NUMBER: 60/131022 APPLICATION NUMBER: 60/134287 APPLICATION NUMBER: 60/141037 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 APPLICATION NUMBER: 60/149320 998-10-28 1999-03-23 1999-01-12 1999-08-03 1999-06-22 LING DATE: 1999-04-2 1999-06-2 1999-01-1 1999-05-LING DATE: LING DATE: PRIOR
```
RELIGIOR DATE: 1998-06-17

RAPPLICATION NUMBER: 60/089538

RETLING DATE: 1998-06-17

RETLING DATE: 1998-06-18

RETLING DATE: 1998-06-18

RETLING DATE: 1998-06-24

RETLING DATE: 1998-06-24

RETLING DATE: 1998-06-24

RETLING DATE: 1998-06-25

RETLING DATE: 1998-06-10

RETLING DATE: 1998-06-07

RETLING DATE: 1998-08-04

RETLING DATE: 1998-08-10

RETLING DATE: 1998-08-17

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099816
R APPLICATION NUMBER: 60/100038
R FILING DATE: 1998-09-11
R APPLICATION NUMBER: 60/100385
R FILING DATE: 1998-09-15
R FILING DATE: 1998-09-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R PILING DATE: 1998-08-31

R APPLICATION NUMBER: 60/095596

R FILING DATE: 1998-09-09

R FILING DATE: 1998-09-09

R FILING DATE: 1998-09-09

R PILING DATE: 1998-09-10

R FILING DATE: 1998-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100627
FILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/100919
FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/101477
FILING DATE: 1998-09-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AFFLIANG DATE: 1998-09-24
PILING DATE: 1998-09-24
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/101738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922
FILING DATE: 1998-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LING DATE: 1998-09-18
                                                                                                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Goddard, Audrey
APPLICANT: Goddweki, Paul J.
APPLICANT: Godweki, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLOG
CURRENT APPLICATION NUMBER: US/10/230,163
                                                                                                                                                                                                                                                                                                                                         100.0%; Score 89; DB 4; Length 208; 100.0%; Pred. No. 0.00018; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR PLILING DATE: 2002-08-26
PRIOR FILING DATE: 2002-04-09
PRIOR PELING DATE: 2002-04-09
PRIOR PELING DATE: 2002-04-09
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR PELING DATE: 1997-10-28
PRIOR PELING DATE: 1997-10-28
PRIOR PELING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069973
PRIOR PELING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/079294
PRIOR PELING DATE: 1998-03-26
PRIOR PELING DATE: 1998-03-27
PRIOR PELING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/164418
PRIOR FILING DATE: 1999-11-09
PRIOR PELING DATE: 1999-11-16
PRIOR PILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/169445
PRIOR PILING DATE: 1999-12-07
PRIOR PILING DATE: 1999-12-07
PRIOR PILING DATE: 1999-12-07
PRIOR PILING DATE: 1999-12-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 11
US-10-230-163-78
IS-20-163-78
Separation US/10230163
Publication No. US20030036635A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/084441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         144 HLPGNKSPHRDPAPR 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ద
```

```
APPLICATION NUMBER: 60/112422
FILING DATE: 1998-12-15
APPLICATION NUMBER: 60/113296
RILING DATE: 1998-12-22
APPLICATION NUMBER: 60/113605
APPLICATION NUMBER: 60/113605
APPLICATION NUMBER: 60/113612
RILING DATE: 1998-12-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/144758
FILING DATE: 1999-07-20
APPLICATION NUMBER: 60/145698
FILING DATE: 1999-07-26
APPLICATION NUMBER: 60/146222
FILING DATE: 1999-07-28
                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/115565
FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LING DATE: 1999-03-23
PPLICATION NUMBER: 60/126773
LING DATE: 1999-03-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LING DATE: 1999-04-28
PPLICATION NUMBER: 60/134287
LING DATE: 1999-05-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/149320
FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/149638
                                           APPLICATION NUMBER: 60/108849
FILING DATE: 1998-11-18
                                                                                                                                                                                                                                                                             PPLICATION NUMBER: 60/115558
ILING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/119549
ILING DATE: 1999-02-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PPLICATION NUMBER: 60/125775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PLICATION NUMBER: 60/127887
LING DATE: 1999-04-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ICATION NUMBER: 60/131445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/140650
FILING DATE: 1999-06-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/140723
FILING DATE: 1999-06-22
APPLICATION NUMBER: 60/141037
FILING DATE: 1999-06-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/146963
FILING DATE: 1999-08-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/151733
FILING DATE: 1999-08-31
APPLICATION NUMBER: 60/108801
FILING DATE: 1998-11-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/123618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JICATION NUMBER: 60/131022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LICATION NUMBER: 60/131270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LICATION NUMBER: 60/164418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ICATION NUMBER: 60/130232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ICATION NUMBER: 60/131291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1999-11-16
                                                                                                                                                                                                                                                                                                                                                                                                 ILING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ILING DATE: 1999-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ILING DATE: 1999-03-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LING DATE: 1999-04-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1999-08-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1999-11-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LING DATE: 1999-04-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1999-04-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ING DATE: 1999-04-2
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/062287

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/069873

PRIOR FILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/079910

PRIOR APPLICATION NUMBER: 60/079910

PRIOR APPLICATION NUMBER: 60/079294

PRIOR APPLICATION NUMBER: 60/079294

PRIOR PRILING DATE: 1998-03-25

PRIOR PAPLICATION NUMBER: 60/079266

PRIOR PELING DATE: 1998-03-25

PRIOR PELING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: 60/079286

PRIOR APPLICATION NUMBER: 60/07928

PRIOR APPLICATION NUMBER: 60/079298

PRIOR APPLICATION NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530P1C92 CURRENT APLICATION NUMBER: 105/10/230,338 CURRENT FILING DATE: 2002-08-28 PRIOR APPLICATION NUMBER: 10/119,480
                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                      .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 89; DB 4; Length 208; 100.0%; Pred. No. 0.00018;
                                                                                                                        Length 208;
                                                                                                                Query Match
100.0%; Score 89; DB 4; I
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stephan, Jean-Philippe F. Watanabe, Colin L. Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 78, Application US/10230338 Publication No. US20030044934A1 GENERAL INFORMATION:
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 13
US-10-218-631-78
; Sequence 78, Application US/10218631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
                                                                                                                                                                                                                                                                                                                                           1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR FILING DATE: 2002-04-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-230-338-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
```

```
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 78, Application US/1023224
Publication No. US20030065147A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          144 HLPGNKSPHRDPAPR 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Desnoyers, Luc
Gerritsen, Mary
Göddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-230-414-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                      APPLICANT: Goldowski, Paul J.
APPLICANT: Goldowski, Paul J. Christopher
APPLICANT: Gurnaldi, J. Christopher
APPLICANT: Gurnaldi, J. Christopher
APPLICANT: Smith, Vactoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC :
TITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 246
SEQ ID NO 78
LENGTH: 208
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
100.0%; Score 89; DB 4; I
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-230-414-78
Sequence 78, Application US/10230414;
Publication No. US20030050448A1
GENERAL INFORMATION:
. US20030045687A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      144 HLPGNKSPHRDPAPR 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Desnoyers, Luc
Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo Sapien
US-10-218-631-78
```

```
APPLICANT: Smitch, Victorial
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
ITILE OF INVENTION: BERRETED AND TRANSMEMBRAME POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: P3530P1C111
CURRENT APPLICATION NUMBER: 10/119, 480
PRIOR APPLICATION NUMBER: 10/119, 480
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR FILLING DATE: 2002-08-28
PRIOR APPLICATION NUMBER: 10/19,480
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-10-17
PRIOR FILLING DATE: 1997-10-17
PRIOR FILLING DATE: 1997-10-17
PRIOR FILLING DATE: 1997-10-18
PRIOR FILLING DATE: 1997-10-18
PRIOR FILLING DATE: 1997-10-28
PRIOR FILLING DATE: 1997-10-31
PRIOR FILLING DATE: 1997-12-17
PRIOR FILLING DATE: 1997-12-17
PRIOR FILLING DATE: 1997-12-17
PRIOR PRILOR PRIOR NUMBER: 60/078910
PRIOR PELLING DATE: 1998-03-26
PRIOR FILLING DATE: 1998-03-26
PRIOR FILLING DATE: 1998-03-26
PRIOR FILLING DATE: 1998-03-26
PRIOR PELLOR NUMBER: 60/079656
PRIOR PRILOR DATE: 1998-03-26
PRIOR PELLOR NUMBER: 60/079656
PRIOR PELLOR DATE: 1998-03-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.00018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 89; DB 4; 100.0%; Pred. No. 0.00018
```

```
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530P1C72
CURRENT APPLICATION NUMBER: US/10/227,873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Stephan, Jean-Philippe F. Watanabe, Colin L. Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT FILING DATE: 2002-08-26
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Baker, Kevin P. APPLICANT: Desnoyers, Luc APPLICANT: Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                Desnoyers, Luc
Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goddard, Audre
                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , ORGANISM: Homo Sapien
US-10-218-849-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                      US-10-218-849-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT
                                                                                                                         ò
                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                  PRIOR FILING DATE: 1998-03-20

PRIOR PELING DATE: 1998-03-20

PRIOR FILING DATE: 1998-03-26

PRIOR FILING DATE: 1998-03-26

PRIOR FILING DATE: 1998-03-26

PRIOR APPLICATION NUMBER: 60/079728

PRIOR PELING DATE: 1998-03-26

PRIOR PELING DATE: 1998-03-26

PRIOR PELING DATE: 1998-03-26

PRIOR PELING DATE: 1998-03-27

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 246

SEQ ID NO 78

LENGTH: 208

LENGTH: 208

TYPE: PRT

ORGANISM: Homo Sapien

US-10-232-224-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC (TLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079656
PRIOR PELING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                  Score 89; DB 4;
Pred. No. 0.00018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TILE REFERENCE: P3530P1C6
CURRENT APPLICATION NUMBER: US/10/216,159A
CURRENT FILING DATE: 2002-08-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Goddard, Audrey,
Godowski, Paul J.
Godowski, J. Christopher
Gunnaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR PRILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079910
PRIOR PILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TION APPLICATION NUMBER: 10/119,480
LION FILING DATE: 2002-04-09
LION APPLICATION NUMBER: 60/059113
LION FILING DATE: 1997-09-17
LION APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US20030069397A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IOR FILING DATE: 1997-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Desnoyers, Luc
Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo Sapien
US-10-216-159A-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Daul J.
APPLICANT: Grimaldi, J. Cristopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: 2002-08-12
                                                       Gaps
                                                       .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 208;
Length 208;
                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 78
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 89; DB 4; lalarity 100.0%; Pred. No. 0.00018; Conservative 0; Mismaratare
Query Match
100.0%; Score 89; DB 4; 1
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                         Sequence 78, Application US/10218849
Publication No. US20030073814A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 78, Application US/10227873
Publication No. US20030073816A1
                                                                                                                                                          144 HLPGNKSPHRDPAPR 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         144 HLPGNKSPHRDPAPR 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 HLPGNKSPHRDPAPR 15
                                                                                                        1 HLPGNKSPHRDPAPR 15
```

| 0/062287 17 0/063549 0/064103 31 0/069873 17 0/078910 0/079294 25 0/079656 | 3-3-4 4-15 60/081819 4-15 60/081955 60/081955 60/081955 60/085323 60/085323 60/085323 60/085323 60/08532 60/086392 60/089532 60/089532 60/089532 60/089532 60/089532 60/089532 60/089955 60/089955 60/089955 60/090691 60/090695 60/090695 60/090695 | //095302 //095318 //095318 //095318 //095316 //095916 //09591 //09598 //09598 //09598 //09598 //099811 |
|--|--|--|
| NUMBER: 1997-1 NUMBER: 1997-1 NUMBER: 1997-1 NUMBER: 1998-0 NUMBER: 1998-0 NUMBER: 1998-0 | 1 1998 - 0. | 1998-0' NUMBER: 1998-0' 1998-0' 1998-0' 1998-0' NUMBER: |
| APPLICATION FILING DATE FALING DATE APPLICATION FALLING DATE APPLICATION FILING DATE APPLICATION FALLING DATE APPLICATION FALLING DATE APPLICATION FALLING DATE APPLICATION FALLING DATE FELING DATE | FILING DATE: APPLICATION FILING DATE: APPLICAT | PPILING DATE APPLICATION APPLICATION APPLICATION APPLICATION FILING DATE APPLI |
| PRIOR | PRIOR | PRIOR |

R APPLICATION NUMBER: 60/100390
R FILING DATE: 1998-09-15
R APPLICATION NUMBER: 60/100627
R FILING DATE: 1998-09-16
R APPLICATION NUMBER: 60/100848
R FILING DATE: 1998-09-18
R FILING DATE: 1998-09-18
R FILING DATE: 1998-09-17
R APPLICATION NUMBER: 60/101477
R APPLICATION NUMBER: 60/101738 APPLICATION NUMBER: 60/101916
PILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178
FILING DATE: 1998-10-28 R APPLICATION NUMBER: 60/106248
R PILING DATE: 1998-10-29
R APPLICATION NUMBER: 60/106464
R PILING DATE: 1998-10-30
R PILING DATE: 1998-11-03
R PPLICATION NUMBER: 60/108905
R PILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108787
R PILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108801 APPLICATION NUMBER: 60/108849
FILING DATE: 1998-11-18
APPLICATION NUMBER: 60/11242
FILING DATE: 1998-12-15
APPLICATION NUMBER: 60/113296
FILING DATE: 1998-12-22
APPLICATION NUMBER: 60/113605
FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/113615
FILING DATE: 1998-12-23 A APPLICATION NUMBER: 60/127887 R FILING DATE: 1999-04-05 A APPLICATION NUMBER: 60/130232 R FILING DATE: 1999-04-21 R APPLICATION NUMBER: 60/131022 R PILING DATE: 1999-04-26 APPLICATION NUMBER: 60/115558 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-01-12 PLICATION NUMBER: 60/100385 LING DATE: 1998-09-15 PLICATION NUMBER: 60/119549 LING DATE: 1999-02-10 PLICATION NUMBER: 60/123618 LING DATE: 1999-03-10 FILLING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 APPLICATION NUMBER: 60/101741 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101786 FILING DATE: 1998-09-25 APPLICATION NUMBER: 60/115733 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/125259 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 PLICATION NUMBER: 60/126773 LING DATE: 1999-03-29 PLICATION NUMBER: 60/131270 LING DATE: 1999-04-27 FILING DATE: 1999-04-28 999-03-

```
APPLICATION NUMBER: 60/081955
FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/081955
FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/08441
FILING DATE: 1998-06-06
APPLICATION NUMBER: 60/08441
FILING DATE: 1998-05-06
APPLICATION NUMBER: 60/08523
FILING DATE: 1998-05-06
FILING DATE: 1998-05-06
                                     CATION NUMBER: 60/079294
G DATE: 1998-03-25
                                                                            PLICATION NUMBER: 60/079656
LING DATE: 1998-03-26
                                                                                                               PLICATION NUMBER: 60/079728
LING DATE: 1998-03-27
                                                                                                                                                                                                                                                                                                                                                   CATION NUMBER: 60/085579
G DATE: 1998-05-15
CATION NUMBER: 60/086392
                                                                                                                                                                                                                                                                                                                                                                                                               G DATE: 1998-05-22
CATION NUMBER: 60/089532
G DATE: 1998-06-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CATION NUMBER: 60/089538
G DATE: 1998-06-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              G DATE: 1998-06-25
CATION NUMBER: 60/091982
G DATE: 1998-07-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CATION NUMBER: 60/095302
G DATE: 1998-08-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TION NUMBER: 60/095318
DATE: 1998-08-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S DATE: 1998-08-11
CATION NUMBER: 60/096791
S DATE: 1998-08-17
CATION NUMBER: 60/097986
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DATE: 1998-08-26
PATION NUMBER: 60/098544
DATE: 1998-08-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATION NUMBER: 60/099596
DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     G DATE: 1998-09-10
CATION NUMBER: 60/099816
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ILING DATE: 1998-09-10
PPLICATION NUMBER: 60/100038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/100385
FILING DATE: 1998-09-15
                                                                                                                                                       CATION NUMBER: 60/081819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TION NUMBER: 60/089905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; DATE: 1998-06-24
PATION NUMBER: 60/090691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MATION NUMBER: 60/095916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DATE: 1998-08-10
ATION NUMBER: 60/096146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TION NUMBER: 60/099598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CATION NUMBER: 60/099812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATION NUMBER: 60/090472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CATION NUMBER: 60/099803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CATION NUMBER: 60/099811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LING DATE: 1998-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DATE: 1998-06-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           998-06-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1998-06-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1998-06-24
                    .-60-866.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DATE: 1998-09-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 89; DB 4; Length 208;
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TILE REFERENCE: P3530PIC78

URRENT APPLICATION NUMBER: US/10/227,883

URRENT FILING DATE: 2002-08-26
                        R FILING DATE: 1999-07-20
R APPLICATION NUMBER: 60/145698
R FILING DATE: 1999-07-26
R FILING DATE: 1999-07-28
R FILING DATE: 1999-07-28
R APPLICATION NUMBER: 60/146963
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stephan, Jean-Philippe F. Watanabe, Colin L. Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 odowski, Paul J.
rimaldi, J. Christopher
urney, Austin L.
mith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RRENT FILING DATE: 2002-08-26
IOR APPLICATION NUMBER: 10/119,480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/149320
FILING DATE: 1999-08-17
                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/149638
FILING DATE: 1999-08-17
                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/151733
FILING DATE: 1999-08-31
                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1999-11-09
APPLICATION NUMBER: 60/166361
FILING DATE: 1999-11-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Application US/10227883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
ING DATE: 1999-05-14
LICATION NUMBER: 60/140650
                                                                                                                                      APPLICATION NUMBER: 60/144758
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/164418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/169445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/063549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CATION NUMBER: 60/064103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                          FILING DATE: 1999-08-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    999-12-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Publication No. US200300738
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
PRIOR FILING DATE: 1999-04-26
PRIOR APPLICATION NUMBER: 60/131270
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131291
PRIOR FILING DATE: 1999-04-27
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: 60/131445
PRIOR ALCATION NUMBER: 60/134287
                                                                                                                                                                                                                                                                                                            R FILING DATE: 1998-09-24

R APPLICATION NUMBER: 60/101922

R APPLICATION NUMBER: 60/106178

R FILING DATE: 1998-10-28

R FILING DATE: 1998-10-28

R FILING DATE: 1998-10-29

R FILING DATE: 1998-10-29

A PILING DATE: 1998-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A APPLICATION NUMBER: 60/106905
R FILING DATE: 1998-11-03
R APPLICATION NUMBER: 60/108787
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108801
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PELICATION NUMBER: 60/113296
FILING DATE: 1998-12-22
APPLICATION NUMBER: 60/113605
FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/113621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TILING DATE: 1999-03-10
APPLICATION NUMBER: 60/125259
FILING DATE: 1999-03-19
APPLICATION NUMBER: 60/125775
LING DATE: 1998-09-18
PLICATION NUMBER: 60/100919
LING DATE: 1998-09-17
                                                                         APPLICATION NUMBER: 60/101477
FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101738
                                                                                                                                                      FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101741
FILING DATE: 1998-09-24
                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/101786
FILING DATE: 1998-09-25
APPLICATION NUMBER: 60/101916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ILING DATE: 1998-11-18
PPLICATION NUMBER: 60/112422
ILING DATE: 1998-12-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ILING DATE: 1998-12-23
PPLICATION NUMBER: 60/115558
ILING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ILING DATE: 1999-01-12
PPLICATION NUMBER: 60/119549
ILING DATE: 1999-02-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1999-03-23
APPLICATION NUMBER: 60/126773
FILING DATE: 1999-03-29
APPLICATION NUMBER: 60/127887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1999-04-21
APPLICATION NUMBER: 60/131022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LICATION NUMBER: 60/115565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PLICATION NUMBER: 60/123618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 1999-04-05
APPLICATION NUMBER: 60/130232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/140650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LING DATE: 1998-10-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: ]
```

```
PPLICATION NUMBER: .60/089538
                                                                                               APPLICATION NUMBER: 60/089905
FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/090472
                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/095302
                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1998-08-04
APPLICATION NUMBER: 60/095916
                                                                                                                                                                          APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24
                                                                                                                                                                                                                        APPLICATION NUMBER: 60/090691
                                                                                                                                                                                                                                                              PLICATION NUMBER: 60/090695
                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/091982
                                                                                                                                                                                                                                                                                                                                                                                  PPLICATION NUMBER: 60/095318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PLICATION NUMBER: 60/096146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PLICATION NUMBER: 60/099596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   865660/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PLICATION NUMBER: 60/099803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/099811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/099812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PLICATION NUMBER: 60/100038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/100627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PLICATION NUMBER: 60/100919
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/101738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PLICATION NUMBER: 60/101786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/101922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/106464
FILING DATE: 1998-10-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LICATION NUMBER: 60/096791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CATION NUMBER: 60/098544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LICATION NUMBER: 60/101477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PLICATION NUMBER: 60/101741
                                                                                                                                                                                                                                           1998-06-25
                                                                                                                                                                                                                                                                                   1998-06-25
                                                                                                                                                                                                                                                                                                                                                              LING DATE: 1998-08-04
                                                                                                                                                                                                                                                                                                                                                                                                                                               1998-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1998-08-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60-60-866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1998-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        998-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1998-10-29
                                                                                                                                                                1998-06-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60-60-866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1998-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1998-09-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1998-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1998-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .998-09-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        998-09-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               998-09-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          998-08-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1998-08-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1998-09-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1998-08-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -60-866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1998-09-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -60-866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-09
APPLICATION NUMBER:
                                                                                                                                                                LING DATE:
                                                                                                                                                                                                                                                                                   LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                               LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LING DATE:
                                                                                                                                                                                                                                             ING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LING DATE:
                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PPLICANT: Goddard, Audrey
PPLICANT: Goddard, Audrey
PPLICANT: Goddwski, Paul J.
PPLICANT: Grimaldi, J. Christopher
PPLICANT: Gurney, Austin L.
PPLICANT: Smith, Victoria
PPLICANT: Stephan, Jean-Philippe F.
PPLICANT: Watanabe, Colin L.
PPLICANT: Watanabe, Colin L.
PPLICANT: Wood, William I.
TILE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                         Gaps
                PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
WUMBER OF SEQ ID NOS: 246
SEQ ID NO 78
LENGTH: 208
TYPE: PRT
ORGANISM: Homo Sapien
US-10-219-076-78
                                                                                                                                                                                                                                           .
                                                                                                                                                                                                   Length 208
                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                               100.0%; Score 89; DB 4; I
100.0%; Pred. No. 0.00018;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: P3530P1C82
CURRENT APPLICATION NUMBER: US/10/230,434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/079728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/064103
FILING DATE: 1997-10-31
APPLICATION NUMBER: 60/069873
                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/10230434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/063549
FILING DATE: 1997-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/081819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/081955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/082804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/086392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/079294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/079656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ICATION NUMBER: 60/085323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2002-08-28
                                                                                                                                                                                                                                                                                                       144 HLPGNKSPHRDPAPR 158
                                                                                                                                                                                                                                                                              1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1998-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1997-12-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1998-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1998-05-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      998-04-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1998-03-2
                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 78,
                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                      d
```

ö

```
R FILING DATE: 1998-11-18
R APPLICATION NUMBER: 60/112422
R FILING DATE: 1998-12-15
R FILING DATE: 1998-12-22
R FILING DATE: 1998-12-22
R APPLICATION NUMBER: 60/113605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ILING DATE: 1999-03-23
PPLICATION NUMBER: 60/126773
ILING DATE: 1999-03-29
PPLICATION NUMBER: 60/127887
ILING DATE: 1999-04-05
PPLICATION NUMBER: 60/130232
APPLICATION NUMBER: 60/108787
FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108801
FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LING DATE: 1999-04-21
PLICATION NUMBER: 60/131022
LING DATE: 1999-04-26
PLICATION NUMBER: 60/131270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/145698
FILING DATE: 1999-07-26
APPLICATION NUMBER: 60/146222
                                                                                                                                                                                                                                                            FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/113621
FILING DATE: 1998-12-23
                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/115558
FILING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                                                                                                  LICATION NUMBER: 60/115565
ING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PLICATION NUMBER: 60/119549
LING DATE: 1999-02-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TLING DATE: 1999-03-19
PPLICATION NUMBER: 60/125775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TLING DATE: 1999-04-27
PPLICATION NUMBER: 60/131445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1999-04-28
APPLICATION NUMBER: 60/134287
FILING DATE: 1999-05-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PPLICATION NUMBER: 60/140650
ILING DATE: 1999-06-22
PPLICATION NUMBER: 60/140723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TLING DATE: 1999-06-22
NPPLICATION NUMBER: 60/141037
TLING DATE: 1999-06-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LING DATE: 1999-07-28
PPLICATION NUMBER: 60/146963
LING DATE: 1999-08-03
                                                                                                                                                                                                                                                                                                                                                                                                                                   LICATION NUMBER: 60/115733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LICATION NUMBER: 60/123618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PPLICATION NUMBER: 60/125259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ING DATE: 1999-04-27
LICATION NUMBER: 60/131291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/144758
FILING DATE: 1999-07-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LICATION NUMBER: 60/149320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/149638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/151733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LING DATE: 1999-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1999-08-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LING DATE: 1999-08-3
                                                                                                                                                                                                                                                                                                                                                                                                            LING DATE: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LING DATE:
```

```
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TILE REFERENCE: P3530PIC12
CURRENT APPLICATION NUMBER: US/10/219,003
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR PLILNG DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
                                                                                              Gaps
                                                       Length 208;
                                                                                              Indels
                                                     Query Match
100.0%; Score 89; DB 4; I
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stephan, Jean-Philippe F. Watanabe, Colin L. Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R APPLICATION NUMBER: 60/063549
R FILING DATE: 1997-10-28
R PAPLICATION NUMBER: 60/064103
R FILING DATE: 1997-10-31
R RAPPLICATION NUMBER: 60/069973
R FILING DATE: 1997-12-17
R FILING DATE: 1997-12-17
                                                                                                                                                                                                                                                                                                                                                                                                                  Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
PRIOR FILING DATE: 1999-12-07 PRIOR APPLICATION NUMBER: 60/169835
                                                                                                                                                                                                                                                                        Sequence 78, Application US/10219003
Publication No. US20030088063A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/079656
FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079728
TILING DATE: 1998-03-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TILING DATE: 1998-04-15
NPPLICATION NUMBER: 60/081955
ILLING DATE: 1998-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ILING DATE: 1998-05-15
PPLICATION NUMBER: 60/086392
ILING DATE: 1998-05-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/062287
FILING DATE: 1997-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/082804
FILING DATE: 1998-04-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/085579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LING DATE: 1998-06-17
PLICATION NUMBER: 60/089538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PPLICATION NUMBER: 60/079294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PPLICATION NUMBER: 60/081819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/08441
                                                                                                                                                                           144 HLPGNKSPHRDPAPR 158
                                                                                                                                        1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LING DATE: 1998-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LING DATE: 1998-05-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ILING DATE: 1998-05-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LING DATE: 1998-03-2
                                                                                                                                                                                                                                       RESULT 22
US-10-219-003-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
```

| | | | · |
|--|---|--|---|
| NUMBER: 60/090472 1998-06-24 NUMBER: 60/090557 NUMBER: 60/090691 1998-06-25 NUMBER: 60/090695 1998-06-25 NUMBER: 60/091982 1998-06-25 NUMBER: 60/091982 1998-06-04 1998-08-04 NUMBER: 60/095318 1998-08-04 NUMBER: 60/095318 | 8-08-10 ER: 60/09614 ER: 60/09614 ER: 60/09679 ER: 60/09798 B-08-26 ER: 60/09854 B-08-31 ER: 60/09959 B-09-09 ER: 60/09980 ER: 60/09980 | 00 00 00 00 00 00 00 00 00 00 00 00 00 | 99-24 60/10192 60/10617 00-28 60/10617 60/10646 60/10646 10-30 60/10690 11-03 60/10880 60/10880 |
| APPLICATION FILING DATE APPLICATION APPLICATION FILING DATE APPLICATION FILING DATE APPLICATION FILING DATE APPLICATION FILING DATE FILING DATE APPLICATION FILING DATE FILING DATE APPLICATION FILING DATE APPLICATION FILING DATE FILING DATE APPLICATION FILING DATE APPLICATION FILING DATE FILING | FILING DATE APPLICATION FILING | APPLICATION TELLING DATE APPLICATION APPLICATION PILING DATE PILING DATE PILING DATE APPLICATION PILING DATE | FILING DATE APPLICATION |
| PRIII | PRIOR | PRII PRIII | PRE |

PRIOR FILING DATE: 1998-11-18
PRIOR PELING DAYE: 1998-12-12
PRIOR PELING DAYE: 1998-12-22
PRIOR PELING DAYE: 1998-12-23
PRIOR PELING DAYE: 1998-12-23
PRIOR PELING DAYE: 1998-12-23
PRIOR PELING DAYE: 1999-12-23
PRIOR PELING DAYE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/11362
PRIOR APPLICATION NUMBER: 60/11362
PRIOR APPLICATION NUMBER: 60/11362
PRIOR APPLICATION NUMBER: 60/11363
PRIOR PILING DAYE: 1999-00-10-12
PRIOR PELING DAYE: 1999-00-13
PRIOR PELING DAYE: 1999-00-23
PRIOR PELING DAYE: 1999-0

Ouery Match 100.0%; Score 89; DB 4; Length 208; Best Local Similarity 100.0%; Pred. No. 0.00018; Matches 15; Conservative 0; Mismatches 0; Indels 0;

ö

Gaps

```
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ద
                                                                              ICANT: Bac.

JICANT: Desnoyer.

JICANT: Goodaerd, Audrey

JICANT: Goodowski, Paul J.

JICANT: Goodowski, Paul J.

JICANT: Goodowski, Paul J.

JICANT: Goodowski, Paul J.

JICANT: Grimaldi, J. Christopher

PLICANT: Stephan, Jean-Philippe F.

PELICANT: Stephan, Jean-Philippe F.

PELICANT: Stephan, Jean-Philippe F.

PELICANT: Watanabe, Colin L.

PELICANT: Watanabe, Colin L.

PELICANT: Watanabe, Colin L.

PELICANT: WATANABER, 106/1019, 075

CHRENT: PAPLICATION NUMBER: 108/10/219, 075

CHRENT FILING DATE: 2002-06-19

PRIOR APPLICATION NUMBER: 1090-10-17

PRIOR APPLICATION NUMBER: 60/60531

PRIOR APPLICATION NUMBER: 60/60531

PRIOR APPLICATION NUMBER: 60/60531

PRIOR APPLICATION NUMBER: 60/60531

PRIOR PLING DATE: 1997-10-27

PRIOR APPLICATION NUMBER: 60/06319

PRIOR PLING DATE: 1997-10-217

PRIOR APPLICATION NUMBER: 60/06319

PRIOR PLING DATE: 1991-10-31

PRIOR PLING DATE: 1991-10-32

PRIOR PLING DATE: 1999-10-32

PRIOR PLING DATE: 1999-03-25

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 89; DB 4; I Pred. No. 0.00018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
Sequence 78, Application US/10219075 Publication No. US20030088064A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 78, Application US/10219464 Publication No. US20030088065A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

Best Local Similarity 100.0%;
Matches 15; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             144 HLPGNKSPHRDPAPR 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Desnoyers, Luc
Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-219-464-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
```

```
APPLICANT: SATES, VICTORIA AND THE SEPTICAL AND THE SAME STATES AND NUCLEIC TITLE OF INVESTICANT: SALES, VICTORIA APPLICANT: SALES, VICTORIA APPLICANT: SALES, VICTORIA APPLICANT: Weatable Colin L. APLICANT: Weatable Colin L. APPLICANT: Weatable Colin L.
```

```
PRIOR APPLICATION NUMBER: 60/062287

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-28

PRIOR PRILING DATE: 1997-10-31

PRIOR FILING DATE: 1997-10-31

PRIOR FILING DATE: 1997-10-31

PRIOR FILING DATE: 1997-12-17

PRIOR FILING DATE: 1997-12-17

PRIOR FILING DATE: 1997-12-17

PRIOR FILING DATE: 1998-03-26

PRIOR PLILNG DATE: 1998-03-25

PRIOR PILING DATE: 1998-03-25

PRIOR PILING DATE: 1998-03-26

PRIOR PILING DATE: 1998-
```

.. 0

0; Gaps

Query Match 100.0%; Score 89; DB 4; Length 208; Best Local Similarity 100.0%; Pred. No. 0.00018; Matches 15; Conservative 0; Mismatches 0; Indels

Search completed: January 13, 2006, 17:33:03 Job time : 53.7097 secs

දු දු

```
Sequence 18, Appropries No. Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 2
US-11-126-427-12
                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-880-881-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 18, App.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                            January 13, 2006, 17:22:19 ; Search time 5.32258 Seconds (without alignments) 26.644 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence Sequence 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            equence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         equence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /cgn2_6/ptodata/2/pubpaa/U506_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/U506_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/U507_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/NCT_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/US110_NEW_PUB.pep:*
/cgn2_6/ptodata/2/pubpaa/US110_NEW_PUB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1-826A-362
                                                                                                                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Published Applications_AA_New:*

'Gan2_6/ptodata/2/pubpaa/USG

'Cgn2_6/ptodata/2/pubpaa/USG

'Ggn2_6/ptodata/2/pubpaa/USG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUMMARIES
                                                                                                                                                                                                                                                                                      67062 seqs, 9454214 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                          Listing first 45 summaries
                                                                  OM protein - protein search, using sw model
                                                                                                                                                                                                                                  BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                   1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Minimum Match 0% Maximum Match 100%
                                                                                                                                                                                                                                                                                                                                                        Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                            US-10-060-765-8
89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     43.8
43.3
42.7
                                                                                                                                                                Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
                                                                                                                                                                                                                                     Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Database :
                                                                                                                                                                                                                                                                                      Searched:
                                                                                                 Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ģ
```

| A A A A A A A A A A A A A A A A A A A | Sequence 309, App Sequence 310, App Sequence 769, App Sequence 7, App Sequence 2, Appli Sequence 20, Appli |
|---|---|
| US-11-109-157A-1 US-11-821-234-1547 US-11-102-240-130 US-10-980-388-39 US-10-131-826A-316 US-10-131-826A-316 US-10-131-826A-316 US-10-131-826A-316 US-11-109-156-21 US-11-109-156-21 US-11-109-156-21 US-11-109-156-21 US-11-109-156-21 US-11-109-156-21 US-11-109-156-21 US-11-109-156-21 US-11-109-156-21 US-11-109-156-21 | US-11-124-368A-308 US-11-124-368A-310 US-11-124-368A-310 US-10-995-561-769 US-11-128-572-2 |
| ,0,000000000000000000000000000000000000 | |
| 1686 1111 1111 1111 187 188 450 4128 2144 2094 2094 | 487 487 526 2491 4374 106 |
| 4444444444444 211111111111100000 100000000004444 | 4 4 4 4 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| 6 | , , , , , , , , , , , , , |
| 2222 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 4 4 4 4 4 0 4 5 6 6 6 |

ALIGNMENTS

```
IIILE OF INVENTION: THERAPUETIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 46; DB 6; Length 523;
Pred. No. 4.2;
1; Mismatches 3; Indels
                                                                                                                                                                                                                                    TITLE OF INVENTION: MAMMALIAN ENDONUCLEASES AND METHODS OF TITLE OF INVENTION: USE PILE REFERENCE: TSRI-889.0
                                                                      APPLICANT: The Scripps Research Institute APPLICANT: Boddy, Michael N. APPLICANT: Blais, Veronique APPLICANT: Chen, Xiao-Bo APPLICANT: Chen, Xiao-Bo APPLICANT: Gaillard, Pierre-Henri L. APPLICANT: Gaillard, Pierre-Henri L. APPLICANT: Russell, Paul
                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/880,881
CURRENT FILING DATE: 2004-06-30
NUMBER OF SEQ ID NOS: 67
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 523
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 12, Application US/11126427 Publication No. US20050287564A1 GENERAL INFORMATION:
Application US/10880881
To. US20060003434A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gerlach, Valerie L.
Gorman, Linda
Majumder, Kumud
Pena, Carol E.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shimkets, Richard A. Smithson, Glennda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Burgess, Catherine E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prayaga, Sudhirdas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             || : ||| |||
114 PGLRVPHRAPAP 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 51.7
Best Local Similarity 66.7
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
US-10-880-881-18
```

```
APPLICANT: Burgess, Catherine E. APPLICANT: Burgess, Catherine E. APPLICANT: Garlach, Valerie L. APPLICANT: Garlach, Valerie L. APPLICANT: Garlach, Valerie L. APPLICANT: Garlach, Valerie L. APPLICANT: Garlach, Carol E. A. APPLICANT: Pena, Carol E. A. APPLICANT: Pena, Carol E. A. APPLICANT: Prayaga, Sudhirdas APPLICANT: Shinkets Richard A. APPLICANT: Shinkets Richard A. APPLICANT: Shinkets Richard A. APPLICANT: Cara Michael, Glennda C. Cara 716 B CIP CURRENT APPLICATION NUMBER: U0/211,689
PRIOR PRILING DATE: 2002-08-01
PRIOR PELING DATE: 2001-08-10
PRIOR PELING DATE: 2001-08-10
PRIOR PELING DATE: 2001-08-09
PRIOR PELING DATE: 2001-08-09
PRIOR APPLICATION NUMBER: 60/310795
PRIOR APPLICATION NUMBER: 60/310795
PRIOR PELING DATE: 2001-08-09
PRIOR PELING DATE: 2001-08-09
PRIOR PELING DATE: 2001-08-09
PRIOR PELING DATE: 2002-04-16
PRIOR APPLICATION NUMBER: 60/31030
PRIOR PELING DATE: 2002-04-16
PRIOR PELING DATE: 2002-04-16
PRIOR PELING DATE: 2002-04-16
PRIOR PELING DATE: 2002-04-16
PRIOR APPLICATION NUMBER: 60/31030
PRIOR PELING DATE: 2002-05-15
PRIOR PELING DATE: 2002-05-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
PRIOR FILING DATE: 2002-05-15
PRIOR APPLICATION WUMBER: 60/311979
PRIOR PTLING DATE: 2001-08-13
PRIOR PLILNG DATE: 2002-05-16
PRIOR FILING DATE: 2.2002-05-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 57
SOFTWARE: CuraSeqList version 0.1
SEQ ID NO 6
LENGTH: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 57 SOFTWARE: CuraSeqList version 0.1 SEQ ID NO 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 48.3%; Score 43; DB 7; Length 207; Best Local Similarity 57.1%; Pred. No. 4.7; Matches 8; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 207;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 43; DB Pred. No. 4.7; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 LPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                34 LPGLPGPRGDPGPR 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-126-427-8
                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                     US-11-126-427-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Gerlach, Valerie E.
APPLICANT: Gerrach, Valerie L.
APPLICANT: Gorman, Linda
APPLICANT: Majumder, Kunud
APPLICANT: Pena, Carol E.A.
APPLICANT: Prayaga, Sudhirdas
APPLICANT: Shimkets, Richard A.
APPLICANT: Smithson, Glennda
TITLE OF INVERTION: THERAPUETIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REFERENCE: Cura 716 B CIP
CURRENT APPLICATION NUMBER: US/11/126,427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                            PRIOR PILING DATE: 2001-08-09
PRIOR APPLICATION NUMBER: 60/311292
PRIOR APPLICATION NUMBER: 60/311292
PRIOR APPLICATION NUMBER: 60/361159
PRIOR PILING DATE: 2002-02-28
PRIOR PILING DATE: 2002-04-16
PRIOR PILING DATE: 2002-04-16
PRIOR PLING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: 60/380970
PRIOR PILING DATE: 2001-05-15
PRIOR PILING DATE: 2001-08-13
PRIOR PILING DATE: 2002-05-16
PRIOR PILING DATE: 2002-05-16
PRIOR PILING DATE: 2002-05-16
PRIOR PILING DATE: 2002-05-16
NUMBER OF SEQ ID NOS: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7; Length 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 43;
Pred. No. 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 005-05-10
PRIOR APPLICATION NUMBER: 10/211,689
PRIOR FILING DATE: 2002-08-01
PRIOR PELICATION NUMBER: 60/311751
PRIOR PLICATION NUMBER: 60/310802
PRIOR PLICATION NUMBER: 60/310802
PRIOR PLICATION NUMBER: 60/310795
PRIOR PLICATION NUMBER: 60/310795
PRIOR PLICATION NUMBER: 60/311292
PRIOR FILING DATE: 2001-08-08
PRIOR PLICATION NUMBER: 60/311292
PRIOR PLILNG DATE: 2001-08-08
PRIOR PLILNG DATE: 2001-08-08
PRIOR PLILNG DATE: 2001-08-09
PRIOR PLILNG DATE: 2001-08-09
PRIOR PLILNG DATE: 2001-08-09
PRIOR PLILNG DATE: 2001-08-09
                               US/11/126,427
                                                                               PRIOR FILING DATE: 2002-08-01
PRIOR FILING DATE: 2002-08-01
PRIOR APPLICATION NUMBER: 60/311751
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/310802
PRIOR FILING DATE: 2001-08-08
PRIOR PRIOR PRIOR DATE: 2001-08-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ICATION NUMBER: 60/373050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/380970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6, Application US/11126427
Publication No. US20050287564A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: CuraSeqList version 0.1
SEQ ID NO 12
LENGTH: 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               48.3%;
nilarity 57.1%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 LPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22 LPGLPGPRGDPGPR 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
CORGANISM: Homo sapiens
US-11-126-427-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 8; Conserv
```

```
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                  Score 40; DB 7; Length 383;
Pred. No. 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Petroziello, Joseph M.
APPLICANT: Petroziello, Joseph M.
APPLICANT: Carter, Paul
TITLE OF INVENTION: Expression Profilling in Non-Small Cell
TITLE OF INVENTION: Lung Cancer
FILE REFERENCE: 2681-1-003N
CURRENT APPLICATION NUMBER: US/11/063,343
CURRENT FILING DATE: 2005-02-22
PRIOR PILING DATE: 2004-02-19
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 40; DB 7
Pred. No. 33;
1; Mismatches
PRIOR APPLICATION NUMBER: IN 173/DEL/2004 PRIOR FILING DATE: 2004-02-06 NUMBER OF SEQ ID NOS: 763 SOFTWARE: Patentin version 3.3 SEQ ID NO 299 LENGTH: 383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 394, Application US/10131826A Publication No. US20050245730A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 31, Application US/11063343 Publication No. US20050272061A1 GENERAL INFORMATION:
                                                                                                                                        TYPE: PRT
ORGANISM: Helicobacter pylori J99
                                                                                                                                                                                                                                  44.98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 50.0%;
Matches 7; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Stewart, Timothy A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               386 HATGKKSPAKSPNP 399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gerritsen, Mary E.
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HLPGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Desnoyers, Luc
Filvaroff, Ellen
                                                                                                                                                                                                                                  Query Match
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Godowski, Paul J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gurney, Austin L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DeForge, Laura
                                                                                                                                                                                                                                                                                                                                                                          249 HLPNSKOPH 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT CAGANISM: Homo sapiens US-11-063-343-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               rumas, Danie
                                                                                                                                                                                                                                                                                                                               σ
                                                                                                                                                                                                                                                                                                                            1 HLPGNKSPH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ilvaroff
                                                                                                                                                                                      US-11-052-554A-299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-131-826A-394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-11-063-343-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 31
LENGTH: 490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                     원
                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                               APPLICANT: Pera, Garol E.A.
APPLICANT: Prayaga Sudhirdas
APPLICANT: Shimkets, Richard A.
APPLICANT: Shimkets, Richard A.
APPLICANT: Shimkets, Gennda
TITLE OF INVENTION: THERAPURIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD FILE REPRENCE: Cura 716 B CIP
CURRENT APPLICATION NUMBER: US/11/126,427
EURRENT FILING DATE: 2005-05-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2-11-052-554A-299
Sequence 299, Application US/11052554A
Publication No. US20050288866A1
GENERAL INFORMATION:
APPLICANT: Sachdeva, et al.
TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
FILE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
FILE REFERENCE: 30853/40359A
CURRENT APPLICATION NUMBER: US/11/052,554A
CURRENT FILING DATE: 2005-02-07
PRIOR FILING DATE: 2004-07-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 2002-04-16
PRIOR APPLICATION NUMBER: 60/380970
PRIOR FILING DATE: 2002-05-15
PRIOR FILING DATE: 2001-08-13
PRIOR FILING DATE: 2001-08-13
PRIOR FILING DATE: 2001-08-13
PRIOR FILING DATE: 2002-05-16
PRIOR FILING DATE: 2002-05-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 57
SOFTWARE: CuraSeqList version 0.1
LENGTH: 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 7; Length 214;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 43; DB 7 Pred. No. 4.9; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 2001-08-08
PRIOR APPLICATION NUMBER: 60/311292
PRIOR FILING DATE: 2001-08-09
PRIOR PEDLICATION NUMBER: 60/361159
PRIOR APPLICATION NUMBER: 60/361159
PRIOR FILING DATE: 2002-02-28
PRIOR FILING DATE: 2007-07-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 10/211,689
                                                                                                                                                         Sequence 10, Application US/11126427
Publication No. US20050287564A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RIOR FILING DATE: 2002-08-01
RIOR APPLICATION NUMBER: 60/311751
RIOR FILING DATE: 2003-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RIOR FILING DATE: 2001-08-10
RIOR APPLICATION NUMBER: 60/310802
RIOR FILING DATE: 2001-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IOR FILING DATE: 2001-08-08
IOR APPLICATION NUMBER: 60/310795
                                                                                                                                                                                                                             APPLICANT: Burgess, Catherine E. APPLICANT: Gerlach, Valerie L. APPLICANT: Gorman, Linda APPLICANT: Majumder, Kumud
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
                                           34 LPGLPGPRGDPGPR 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 LPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               38 LPGLPGPRGDPGPR 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
```

셤

ö

```
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Stache-Crain, Susan
APPLICANT: Andarmani, Susan
APPLICANT: Tang, Y. Tom
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REPRENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
PRIOR APPLICATION NUMBER: US 60/462,047
PRIOR PILING DATE: 2003-04-07
PRIOR FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pt_SEQ_genes Version 1.0
SEQ ID NO 901
LENGTH: 1586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACTIOS ENCODING THE SAME
FILE REPERENCE: P3330R1C128
CURRENT APPLICATION NUMBER: 105/10/131, 826A
CURRENT FILING DATE: 2002-04-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1586;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 40; DB 6;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FLING DATE: 1997-08-26
PRIOR PLING DATE: 1997-08-26
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR APPLICATION NUMBER: 60/059122
PRIOR PLING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PRIOR PAPLICATION NUMBER: 60/059122
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 362, Application US/10131826A Publication No. US20050245730A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/049911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               44.9%;
58.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Publication No. US20050245730A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stewart, Timothy A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumas, Daniel
Watanabe, Colin K
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Desnoyers, Luc
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              105 PNGKIPDHDPAP 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Godowski, Paul J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gurney, Austin L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sherwood, Steven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Goddard, Audre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DeForge, Laura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-821-234-901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       44.9%; Score 40; DB 6; Length 1184; 46.7%; Pred. No. 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 40; DB 6; Length 1410;
Pred. No. 96;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 136, Application US/10878556A
Publication No. US20050266399A1
GENERAL INFORMATION:
APPLICANT: HOFfmann La-Roche Inc.
TITLE OF INVENTION: HCV regulated protein expression
FILE REFERENCE: 21762
CURRENT APPLICATION NUMBER: US/10/878,556A
CURRENT FILING DATE: 2004-06-28
NUMBER OF SEQ ID NOS: 199
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: sw hum/rrbl human
DATABASE ENTRY DATE: 2003-02-28
INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
               CURRENT APPLICATION NUMBER: US/10/131,826A
                                                                                      PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR PPLICATION NUMBER: 60/056974
PRIOR PILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
                                                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR PLING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-09-19
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
                                                                                                                                                                                                                                                               RIOR FILING DATE: 1997-09-17
RIOR APPLICATION NUMBER: 60/059117
RIOR FILING DATE: 1997-09-17
RIOR APPLICATION NUMBER: 60/059122
RIOR FILING DATE: 1997-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 58.3%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HLPGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 46.7
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 79 PNGKIPDHDPAP 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -10-878-556A-136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-878-556A-136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-131-826A-394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 10
US-10-821-234-901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 136
LENGTH: 1410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

ઠે

PRIOR FILING DATE: 1997-09-18

q

ö

Gaps

. 0

us-10-060-765-8.rapbn

```
US-11-102-240-92
; Sequence 92, Application US/11102240
; Publication No. US20050260647A1
                                                                                                                                                          PUDITGALLOW.
GENERAL INFORMATION:
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Application US/11150883
to. US20060002937A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 PGNKSPHRD----PAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28 PGSEDPERDDHEGOPRPR 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 44.4%;
Matches 8; Conservative
                                                                                                                                                                                                                                                 Gurney, Austin L. Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Schwaeble, H.W.
APPLICANT: Stover, C.M.
APPLICANT: Tedford, C.E.
APPLICANT: Parent, J.B..
APPLICANT: Parent, T.B..
                                         760 LPGTPQPHRLP 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 42.7
Best Local Similarity 46.2
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) ORGANISM: Homo sapien
US-11-150-883-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21, Appropries Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-11-102-240-92
                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                    Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 550 SEQ ID NO 362 LENGTH: 243
                                                                                                                                                                                                                                                   ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ô
                                                                                                                                                                                                          Score 39; DB 6; Length 243;
Pred. No. 23;
0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1103;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 7; Length 871;
                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: WPCCHAILOW:
TITLE OF INVENTION: TRUNCATED ADAMTS MOLECULES
FILE REFERENCE: 01997, 030500.
CURRENT APPLICATION NUMBER: US/11/109,157A
CURRENT PILING DATE: 2005-04-18
PRIOR PILING DATE: 2004-04-15
NUMBER OF SEQ ID NOS: 44
SOFTWARE: Patentin version 3.3
SEQ ID NO 10
LENGTH: 871
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: TRUNCATED ADAMTS MOLECULES FILE REFERENCE: 01997 030500
CURRENT APPLICATION NUMBER: US/11/109,157A
CURRENT FILING DATE: 2005-04-18
PRIOR APPLICATION NUMBER: 60/562,685
PRIOR APPLICATION NUMBER: 60/562,685
NUMBER FO SEQ ID NOS: 44
SOFTWARE: PATENTIN VEYSION 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 39; DB 7
Pred. No. 83;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 39; DB 'Pred. No. 1.1e-0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 10, Application US/11109157A Publication No. US20050277175A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 9, Application US/11109157A Publication No. US20050277175A1 GENERAL INFORMATION:
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 43.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       43.8%;
                                                                                                                                                                                                          Query Match
Best Local Similarity 53.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                    3 PGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                         71 PGLPGPRGDPGPR 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             528 LPGTPQPHRLP 538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 LPGNKSPHRDP 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                               ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JS-11-109-157A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 9
LENGTH: 1103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JS-11-109-157A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JS-11-109-157A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
```

```
AFTLE OF INVENTION: ANTHRONIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS
TITLE OF INVENTION: ESOPHAGEAL TUMOR
FILE REFERENCE: P320SICLOGC
CURRENT APPLICATION NUMBER: U5/11/102,240
CURRENT FILING DATE: 2005-04-08
PRIOR FILING DATE: 2005-05-07
PRIOR FILING DATE: 2001-12-06
PRIOR FILING DATE: 2001-12-06
PRIOR FILING DATE: 2000-08-24
PRIOR FILING DATE: 2000-08-24
PRIOR FILING DATE: 109-01-12-06
PRIOR FILING DATE: 109-01-12-06
PRIOR FILING DATE: 109-12-09
NUMBER OF SEQ ID NOS: 170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: METHODS FOR TREATING CONDITIONS ASSOCIATED WITH MASP-2 DEPENDENT
TITLE OF INVENTION: COMPLEMENT ACTIVATION
FILE REFERENCE: OMER-1-25400
CURRENT APPLICATION NUMBER: US/11/150,883
CURRENT FILING DATE: 2005-06-09
PRIOR FILING DATE: 2004-06-10
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin version 3.2
SEQ ID NO 21
LENGTH: 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           42.7%; Score 38; DB 7; Length 248; 46.2%; Pred. No. 33; ive 1; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 38.5;
Pred. No. 2
```

```
Generic 2, Application US/11150406

j Sequence 2, Application US/11150406

j Publication No. US20050250164A1

GENERAL INFORMATION:

GENERAL INFORMATION:

J APPLICANT: Muschler, John L

APPLICANT: Bissell, Mina J

TITLE OF INVENTION: Design of Novel Assays Based on the Newly Found Role of

TITLE OF INVENTION: Growth

TITLE OF INVENTION: Growth

FILE REFERENCE: IB-1398A

CURRENT PELING DATE: 2005-06-09

PRIOR APPLICATION NUMBER: 08/11/150,406

CURRENT FILING DATE: 2005-06-09

PRIOR APPLICATION NUMBER: 09/652,493

PRIOR PILING DATE: 2000-08-31

NUMBER OF SEQ ID NOS: 2

SOFTWARE: PatentIn version 3.3

SEQ ID NO 2

LENGTH: 895
                          Sequence 71, Application US/10770726
Publication No. US20050266409A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Liu, Wei
APPLICANT: CANCERS
FILE REFERENCE: AM101079 (031896-010000)
CURRENT APPLICANTON NUMBER: US/10/770,726
CURRENT FILING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 38; DB 6; Length 591;
Pred. No. 79;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 895;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 38; DB 7;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-821-234-1129
. Sequence 1129, Application US/10821234
. Publication No. US20050255114A1
. GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Andarmani, Susan
APPLICANT: Tang, Y. Tom
                                                                                                                                                                                                                                                                                                                                                                                                                                                    42.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 42.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 60.v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | | :|:| |
880 PKNMTPYRSPPP 891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  287 PGPRSPQREP 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 PGNKSPHRDP 12
                                                                                                                                                                                                                                                                                                                                          LENGTH: 591
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-770-726-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: homo sapiens
US-11-150-406-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 6; Conserv
RESULT 18
US-10-770-726-71
                                                                                                                                                                                                                                                                                                                          SEQ ID NO 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-11-02-554A-233

Sequence 213, Application US/11052554A

Publication No. US20502088866A1

GENERAL INFORMATION: OUS.

TITLE OF INVENTION: COMPUTATIONLE METHOD FOR IDENTIFYING ADHESIN-LIKE

TITLE OF INVENTION: COMPUTATIONLE POTENTIAL

FILE REFERENCE: 30853/40359A

CURRENT PILING DATE: 2005-02-07

PRIOR APPLICATION NUMBER: US/11/052,554A

CURRENT FILING DATE: 2005-02-07

PRIOR PILING DATE: 2004-07-20

PRIOR PILING DATE: 2004-07-26

NUMBER OF SEQ ID NOS: 763

SOFTWARE: PRIOR FILING DATE: 3004-03-06

NUMBER OF SEQ ID NOS: 763

SEQ ID NO 233

LENGTH: 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 38; DB 6; Length 318; Pred. No. 42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 38; DB 7; Length 318;
Pred. No. 42;
0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5; Indels
                                                                                                                    RESULT 16

US-10-873-528-192

Sequence 192, Application US/10873528

PUblication No. US20050276814A1

GENERAL INFORMATION:
APPLICANT: Microbial Technics Limited
APPLICANT: Hambro, Philip M
TITLE OF INVENTION: Proteins
FILE REFERENCE: PWC/P21129W0
CURRENT APPLICATION NUMBER: US/10/873,528
CURRENT FILING DATE: 2004-06-23
PRIOR PRILING DATE: 2001-01-26
PRIOR FILING DATE: 2998-03-27
PRIOR FILING DATE: 1999-03-19
NUMBER OF SEQ ID NOS: 388

SOFTWARE: PatentIn Ver: 2.1

SEQ ID NO 192
LENGTH: 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Streptococcus pneumoniae R6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Streptococcus pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                42.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             42.7%;
                      3 PGNKSPHRDPAPR 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  141 PNNHSDHVDPYP 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           141 PNNHSDHVDPYP 152
                                                            79 PGNPGPSGSPGPK 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 7; Conserva'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-11-052-554A-233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-873-528-192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

0

Gaps

.; 0

Gaps . 0

```
Sequence 1182, Application US/10821234 Publication No. US20050255114A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                          Sequence 13, Application US/11040472
Publication No. US20050283857A1
GENERAL INFORMATION:
                                                                                                                         Pred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pt SEQ_genes Version 1.0
SEQ ID NO 1187
LENGTH: 1874
                                                                                              42.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 13
SOFWARE: Patentin version 3.2
SEQ ID NO 13
LENGTH: 1735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 60.0%;
Matches 6; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
; ORGANISM: Anopheles gambiae
US-11-040-472-13
                                                                                                                                                                                                            | :: ||: | |
911 PPSQGPHKSPTP 922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 LPGNKSPHRDPAP 14
                                                                                                                                                                                 3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         861 NKOPYHDPFP 870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 NKSPHRDPAP 14
        ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-059-982-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
GRGANISM: Homo sapiens
US-10-821-234-1182
                                                                                                           Best Local Similarity
Matches 5, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-821-234-1182
                                                                                                                                                                                                                                                                                                          US-11-040-472-13
                                                                                                Query Match
                                                                                                                                                                                                                         셤
                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATE: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF

TITLE OF INVENTION: DETECTION AND USES THEREOF

FILE REFERENCE: CLO01559

CURRENT APPLICATION NUMBER: US/10/995,561

CURRENT FILING DATE: 2004-11-24

NUMBER OF SEQ ID NOS: 85702

SOFTWARE: FASISEQ for Windows Version 4.0
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT PILING DATE: 2004-04-07
PRIOR APPLICATION NUMBER: US 60/462,047
PRIOR PILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pt SEQ_genes Version 1.0
SEQ ID NO 1129
                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1375;
                                                                                                                                                                                                                                                                                                             Score 38; DB 6; Length 920; Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Yang, Ping
APPLICANT: Thibodeau, Steve
APPLICANT: Thibodeau, Steve
APPLICANT: Thibodeau, Steve
APPLICANT: Schaid, Daniel
APPLICANT: Schaid, Daniel
TITLE OF INVENTION: CYTOGENETICALLY DETERMINED DIAGNOSIS A
TITLE OF INVENTION: PROGNOSIS OF PROLIFERATIVE DISORDERS
FILE REPERENCE: 07039-505001
CURRENT APPLICATION NUMBER: US/11/059,982
CURRENT APPLICATION NUMBER: US 60/545,573
PRIOR PILING DATE: 2004-02-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 38; DB 6; I
Pred. No. 1.9e+02;
2; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                       2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 809, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/11059982
Publication No. US20050255507A1
GENERAL INFORMATION:
APPLICANT: Jenkins, Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 50.0%;
Matches 6; Conservative 2
                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 50.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             998 PGSTPPHCGPSP 1009
                                                                                                                                                                                                                                                                                                                                                                                                                           | | :|:| | | 905 PKNMTPYRSPPP 916
                                                                                                                                                                                                                                                                                                                                                                                                  3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 PGNKSPHRDPAP 14
                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
US-10-821-234-1129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT

ORGANISM: Homo sapiens

US-10-995-561-809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-995-561-809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 809
LENGTH: 1375
                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Stache-Crain, Susan
APPLICANT: Andarmani, Susan
APPLICANT: Tom
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICANTON NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
PRIOR FILING DATE: 2003-04-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1874;
  Length 1560;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1735;
                                                                                                                                                                                                                                                                                                      APPLICANT: Adang, Michael
APPLICANT: Adang, Michael
APPLICANT: Hua, Gang
APPLICANT: Chen, Jiang
FILE REFERENCE: UGR-105CP
CURRENT APPLICATION NUMBER: US/11/040,472
CURRENT FILING DATE: 2005-01-21
PRIOR FILING DATE: 2004-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 38; DB 7; Le
Pred. No. 2.4e+02;
1; Mismatches 3;
                  2.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        42.7%; Score 38; DB 6; 1
53.8%; Pred. No. 2.6e+02;
Score 38; DB 7;
                                         3; Mismatches
```

```
RESULT 25
US-11-109-157A-3
i Sequence 3, Application US/11109157A
publication No. US20050271175A1
GENERAL INFORMATION:
APPLICANT: Wyeth
ITILE OF INVENTION: TRUNCATED ADAMTS MOLECULES
FILE REPERENCE: 01997.030500.
CURRENT APPLICATION NUMBER: US/11/109,157A
CURRENT FILING DATE: 2005-04-18
PRIOR FILING DATE: 2004-04-15
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn version 3.3
SEQ ID NO 3
LENGTH: 599
TYPE: PRT
ORGANISM: HOMO SAPIENS
US-11-109-157A-3
674 LPGEKGHRGDPGP 686
                     q
```

1; Gaps

3; Indels

Ouery Match
42.1%; Score 37.5; DB 7; Length 599;
Best Local Similarity 61.5%; Pred. No. 96;
Matches 8; Conservative 1; Mismatches 3; Indels

2 LPGNKSPHRDPAP 14

ò

Search completed: January 13, 2006, 17:33:25 Job time : 6.32258 secs

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

| Defects in the images include but are not limited to the items checked: |
|---|
| ☐ BLACK BORDERS |
| IMAGE CUT OFF AT TOP, BOTTOM OR SIDES |
| ☐ FADED TEXT OR DRAWING |
| ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING |
| ☐ SKEWED/SLANTED IMAGES |
| ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS |
| ☐ GRAY SCALE DOCUMENTS |
| ☐ LINES OR MARKS ON ORIGINAL DOCUMENT |
| REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY |
| OTHER. |

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.